

ENUMERATIO PLANTARUM ZEYLANIÆ:

AN

ENUMERATION OF CEYLON PLANTS,

WITH

DESCRIPTIONS OF THE NEW AND LITTLE-KNOWN GENERA
AND SPECIES, OBSERVATIONS ON THEIR HABITATS,
USES, NATIVE NAMES, ETC.



BY

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Assisted

IN THE IDENTIFICATION OF THE SPECIES AND SYNONYMY

BY

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TO
SIR WILLIAM JACKSON HOOKER, K.H.,
D.C.L. OXON, F.R.S., F.A.S., F.L.S., &c.,

This Little Work is Dedicated,

IN TESTIMONY OF THE MOST SINCERE RESPECT

AND AFFECTION,

BY HIS OBLIGED FRIEND,

THE AUTHOR.

REFERENCE

PREFACE.

SINCE the publication of Linnaeus's '*Flora Zeylanica*' and Burmann's '*Thesaurus Zeylanicus*,' no work has appeared, with the exception of Moon's '*Catalogue*,' professing to give a list of the plants indigenous to Ceylon.

Several species of Ceylon plants have been figured and described by Sir William Hooker in his '*Icones Plantarum*' and other valuable publications, from specimens collected by the late Colonel and Mrs. Walker; and a good many Ceylon plants have been figured by Dr. Wight in his excellent '*Icones Plantarum Indiæ Orientalis*.' Dr. Walker-Arnott has published descriptions of several kinds in his '*Pugillus*' and elsewhere.

Most of the *Orchidaceæ* of Ceylon have been described by Dr. Lindley from specimens and drawings sent to him by Mr. Macrae.

My predecessor, Dr. Gardner, contributed to the '*Calcutta Journal of Natural History*' descriptions of several interesting Ceylon plants.

References throughout the present work indicate where and by whom other species have been described.

Owing to the physical conformation of the island, which geologically belongs to the Metamorphic system, there is great diversity of climate.

The hills of the Central Province rise to an elevation of 8300 feet, with an annual rainfall of about 100 inches.

The low country of the south of the island possesses a humid climate, with a very equable temperature, and the rainfall is considerable, but not equal to that on the hills.

The low northern half of the island, shut off by the hills from the rains of the south-west monsoon, has a rainy season of very short duration, and is usually extremely dry during the remainder of the year.

The character of the island vegetation varies, as might be expected, in accordance with this difference of climatal conditions; for, whilst on the hills the flora resembles very much that of the Neilgherries, in the humid south it is more akin to that of Sumatra and the Malay Archipelago; and in the dry north of the island it would seem to be nearly identical with that of the Coromandel coast.

The indigenous species enumerated in the present work amount to 2832, viz.:—

Dicotyledones	1959
Monocotyledones	648
Filices, Lycopodiaceæ, and Marsileaceæ	225

Care has been taken not to multiply species unnecessarily, for observation has shown that the amount of variation is often considerable in plants affecting a large range of variation, and consequently of climate. Instances occur, as in the genera *Hortonia*, *Mappia*, *Turpinia*, *Evonymus*, *Elæodendron*, in which a more elevated locality produces a form or variety possessing a stouter habit and larger flowers than are observed in the same species when growing only a little above the level of the sea. These forms or varieties would probably be viewed by some botanists in the light of distinct though closely allied species, and they occupy, in fact, that debatable ground the difficulties and perplexities of which the practical naturalist alone knows, and which, in the opinion of many (and I may include myself among the number), are only to be got rid of by the adoption of the views enunciated by Mr. Darwin as regards the relationship of allied forms or species by descent from a common ancestor.

From the large extent of forest-land which has been and is now being appropriated to coffee cultivation, there is little doubt that some of the indigenous plants will in time become exceedingly rare, if not altogether extirpated, or exist only in the botanic garden, into which as many kinds as possible are being introduced. The obtrusive character, too, of a plant brought to the island.

REFERENCE

PREFACE.

vii

about forty years ago, is also helping to alter the character of the vegetation up to an elevation of 8000 feet. The plant alluded to is the *Lantana mixta*, Linn., which appears to have found in Ceylon a soil and climate exactly suited to its growth, for it now covers thousands of acres with its dense masses of foliage, taking complete possession of land where cultivation has been neglected or abandoned, preventing the growth of any other plants, and even destroying small trees, the tops of which its subscandent stems are able to reach. The fruit of this plant is so acceptable to frugivorous birds of all kinds, that through their instrumentality it is spreading rapidly, to the complete exclusion, in spots where it becomes established, of the indigenous vegetation.

Brucea Sumatrana, *Crotalaria incana*, *Lagascea mollis*, *Cosmos caudatus* and *Asclepias Curassavica*, have become perfectly naturalized, and are common weeds in the warmer parts of the island.

In Newera Ellia, a few exotic plants, which were introduced with grass seed, have become naturalized, those I have observed are *Cerastium vulgatum*, *Hypericum humifusum*, *Trifolium repens*, *Verbascum Thapsus*, *Stachys arvensis*, *Plantago lanceolata*, and *Dactylis glomerata*.

It now remains to express my grateful acknowledgment for assistance rendered to me during the progress of this work.

Dr. Wight, immediately on my arrival in the island, gave me his most valuable help in naming the numerous specimens I found in the herbarium, which had been collected by my predecessors, and principally by Dr. Gardner.

Sir William Hooker has most kindly assisted me with his profound knowledge of the subject in determining the names of the Ferns.

To Dr. Joseph D. Hooker I am most deeply indebted for the invaluable aid he has been unintermittingly giving me during the whole progress of this work, and without this aid I could not with any satisfaction have undertaken it.

My cordial thanks are due to Dr. Thomas Anderson for having undertaken the identification and description of the *Acanthaceæ*, an Order of plants to which he was at the time devoting particular attention, and was studying in the herbarium at Kew.

To the Rev. S. O. Glenie, F.L.S., Episcopal Colonial Chaplain at Trincomalie, and to Mr. W. Ferguson, F.L.S., Civil Engineer, I am

under their obligations, for frequent valuable communications, and the specimens of plants from their respective places of residence. It gives me great pleasure, too, to record the uniform courtesy and kindness with which the gentlemen, holding the important and influential positions of Government Agents, have assisted me in carrying out the objects I had in view, when making botanical tours through their respective provinces or districts.

I would wish to associate with this little book the names of Harmanis de Alwis Modliar, and of Don Seman De Silva Aratchy, native officers, employed during many years in this establishment, the former as Draftsman, and the latter as Principal Plant-collector, to whose intelligent and hearty co-operation is due much of my success in procuring new and rare species of plants from the jungles.

Some apology may be considered necessary for the length of time that has elapsed since the present work was commenced, but a large portion of that time has been occupied in researches connected with it, and these researches have, it is hoped, tended to make it more useful and more worthy of being laid before the scientific world.

Part 1, containing 80 pages, was published in 1858.

Part 2, from p. 81 to p. 160 inclusive, was published in 1859.

Part 3, " 161 " 240 " " 1860.

Part 4, " 241 " 320 " " 1861.

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ENUMERATION OF CEYLON PLANTS.

1. RANUNCULACEÆ

1. NARAVELIA, DC

1 **N. Zeylanica**, DC (H.f. et T. Fl. Ind. p. 3, cum syn.)—c. p. 1009

HAB. Not very uncommon in the warmer parts of the island. Nom. vulg. "Wayoopaloo" or "Narawella."

2. CLEMATIS, Lam.

1 **C. smilacifolia**, Wall. (H.f. et T., l. c. p. 6, cum syn.)—c. p. 2690

HAB. At an elevation of about 3000 feet, at Allagalla and Ambagamawa, in the Central Province.

2 **C. Gouriana**, Roxb. (H.f. et T., l. c. p. 8, cum syn.)—c. p. 680

HAB. Newera Ellia, and other elevated parts of the Central Province.

3. THALICTRUM, Lam.

1 **T. glyphocarpum**, W. et A. (H.f. et T., l. c. p. 16, cum syn.)—c. p. 2571

HAB. On rocks, Newera Ellia, Horton Plains, etc.

4. ANEMONE, Lam.

1 **A. rivularis**, Ham. (H.f. et T., l. c. p. 23, cum syn.)—c. p. 1011

HAB. Newera Ellia.

5. RANUNCULUS, Lam.

1 **R. sagittifolius**, Hook. (H.f. et T., l. c. p. 30, cum syn.)—c. p. 520.

HAB. Swampy spots at Newera Ellia and Horton Plains.

2 **R. Wallichianus**, W. et A. (H.f. et T., l. c. p. 38, cum syn.)—c. p. 1012.

HAB. Very common on the more elevated parts of the Central Province, from 5000 to 8000 feet.

II. DILLENiaceæ.

1. DELIMA, Lin.

1. *D. sarmentosa*, Lin. (H.f. et T., l. c. p. 61, cum syn.)—c. p. 1015.

HAB. Southern parts of the island, up to an elevation of 1000 feet.
Nom. vulg. "Korasawel."

2. TETRACERA, Lin.

1. *T. lævis*, Vahl, (H.f. et T., l. c. p. 62, cum syn.)—c. p. 1016.

HAB. Between Colombo and Galle; not very common.

3. ACROTREMA, Jack.

CHAR. EMEND.—*Sepala et petala* 5. *Stamina* indefinita, 15 vel plura, *filamentis* liberis, erectis, pluriserialibus, in 3 fasciculis cum ovaris alternantibus plus minus aggregatis; *antheris* sublinearibus, ab apice ad medium vel ultra lateraliter dehiscentibus. *Ovaria* 3, 2-vel multi-ovulata, sutura ventrali plus minus coherentia; *stylis* subulatis, recurvatis; *stigmatibus* minuto. *Carpella* irregulariter dehiscentia. *Semina* membranaceo-arillata, *testa* crustacea, cancellata.—*Herbæ* perennantes, subacaules, rhizomate sublignoso; foliis magnis, parallelis-penninerviis, parce glanduloso-punctatis, denticulatis; petiolis marginibus magnis, vaginantibus, stipularibus, denique deciduis munitis; floribus racemosis, flavis, expansis, 4-8 lin. latis; pedicellis plus minus elongatis, bracteis magnis, sæpissime bidentatis.

Follulis polyspermis

† *Racemis* brevipedunculatis

‡ *Folius* undecius, obovato-oblongis

1. *A. uniflorum*, Hook. (Ic. Pl. t. 157; H.f. et T., Fl. Ind. p. 64); foliis superne glabris vel inter nervos pilis paucis rigidis munitis, subtus pallidioribus, glabris, costa nervisque dense strigosis; pedicellis (siccis) adpresse pilosis.

Var. *α. petiolaris* (c. p. 265), foliis angustioribus, crenatis vel crenatodentatis, apice acuto rotundato vel retuso; staminibus 30-50.

Var. *β. rotundata* (c. p. 1014 et 3184); foliis rotundatis brevi-petiolatis, margine subintegro; staminibus circiter 30.

HAB. Not uncommon in the Central and Southern Provinces, at an elevation of from 2000 to 1000 feet, occurring, like its congeners, in damp shady places, generally on the banks of streams.

Folia 4-9 poll. longa, 1-3 poll. lata, petiolis (in var. *α.*) 1-1½ poll. longis.

A very variable species, both as to the size as well as the form of the leaves, and the number of their primary veins. I should not be surprised if a more critical examination of fresh specimens proved var. *α.* and *β.* to be distinct species.

2. *A. bullatum*, Thw. (c. p. 239); foliis bullatis, utrinque (præcipue superne inter nervos et ad marginem crenato-serratum) mollissime sericeo-pubescentibus; pedicellis (siccis) adpresse sericeo-pilosis.

HAB. In similar places with the foregoing, and often mixed with it.

Folia 2-6 poll. longa, ½-2 poll. lata, petiolis ½-¾ poll. longis.

This species is well distinguished by its bullate, softly pubescent leaves, characters better observed in fresh than in dried specimens.

3. *A. sylvaticum*, Thw. (c. p. 2659), foliis utrinque minute pilosis,

subtus costa nervisque pilis rigidis patentibus hirsutis, apice rotundatis, basi profunde cordatis, margine subintegro; *petiolo* brevi; *pedicellis* brevibus, patentim pilosis; *staminibus* circiter 50.

HAB. Damp forest at Eknalagodde, near Ratnapoora, March, 1853.

Rhizoma breve; *folia* membranacea, 5-8 poll longa, 3-4 poll lata.

4. **A. Walkeri**, Wight, MSS. (c.p. 345, 446, 694); *foliis* crenato-dentatis, subauriculatis, utrinque precipue superne versus marginem et subtus ad costam nervosque pilosis; *pedicellis* patentim pilosis; *staminibus* circiter 15.

HAB. Not uncommon in the Central Province, at an elevation of from 2000 to 4000 feet.

Folia 2-5 poll longa, $\frac{3}{4}$ -2 poll lata, *petiolo* $\frac{1}{2}$ poll longo; *pedicelli* elongati.

The leaves of this pretty species are frequently marked on the upper surface with a paler area occupying a more or less wide space on either side of the costa and primary veins; the same peculiarity is sometimes observed in other species.

†† *Folus indivisis, lanceolatis, subauriculatis*

5. **A. intermedium**, Thw. (c.p. 3114); *foliis* acutis, crenato-dentatis, supra medium versus basin graduatim valde angustatis, superne ad costam marginemque et parce inter nervos hirsutis, subtus costa nervisque adpresse pilosis; *pedicellis calycibusque* patentim rigido-hirsutis; *staminibus* circiter 40.

HAB. Banks of streams in the Ambagamowa District, at no great elevation, February, 1851.

Rhizoma elongatum; *folia* 5-12 poll longa, $1\frac{1}{2}$ -2 $\frac{1}{2}$ poll lata, *petiolo* 1-1 $\frac{1}{2}$ poll longo.

6. **A. lanceolatum**, Hook (H.f. et T. Fl. Ind. p. 65.)—c.p. 2660; *foliis* angustissime lanceolatis, acutis, sinuato-dentatis, subglabris, subtus costa nervisque adpresse brevihirsutis; *pedicellis* patentim parce-hirsutis; *staminibus* circiter 40.

HAB. Kintool Gulle, March, 1853. I do not know where Dr. Wight found his specimens.

Rhizoma breve; *folia* 4-12 poll longa, $\frac{1}{2}$ -1 $\frac{1}{2}$ poll lata, *petiolo* $\frac{1}{2}$ -1 poll longo.

7. **A. Gardneri**, Thw. (c.p. 253); *foliis* anguste-lanceolatis vel subspathulatis, glabris, margine subintegro, subtus costa nervisque adpresse pilosis; *pedicellis* elongatis, adpresse-pilosis; *staminibus* circiter 15.

HAB. Common in the district between Galle and Ratnapoora, on the banks of streams.

Folia $1\frac{1}{2}$ -3 poll longa, 3-7 lin lata, *petiolo* 3-6 lin longo.

††† *Folus decompositis*

8. **A. Thwaitesii**, H.f. et T., Kew Journ. Bot. vol. 8, p. 241, t. iv. A.—c.p. 3364—Vars. α and β .

HAB. Dolosbage District, at no great elevation, February, 1855.

9. **A. dissectum**, H.f. et T., l.c. p. 242, t. iv. B.—c.p. 3393; et var. *pinnatifida*.

HAB. Near Hellessee, in the Pansdun Corle, at no great elevation, May, 1855.

†† *Racemis longe-pedunculatis*

10. **A. lyratum**, H.f. l.c. p. 242.—c.p. 3392

HAB. Near Nellowe, in the Hindoon Corle, at an elevation of about 1000 feet, May, 1855.

4. SCHUMACHERIA, Vahl.

Sepala 5 (2 exteriora minora). *Petala* 5. *Stamina* indefinita, pluriserialia, monadelphæ, unilaterali-posteriora; *filamentis* in columnam brevem obliquam semicylindricam coalitis, apicibus supremis liberis; *antheris* linear-oblongis, obtusis, apiculatis, bilocularibus, lateraliter dehiscentibus. *Ovaria* 3 (2 anteriora), discreta, dense pilosa, uniovulata; *stylis* filiformi-subulatis; *stigmatibus* minuto. *Carpella* indehiscentia. *Semen* erectum, subglobosum, basi arillo parvo membranaceo munitum; *testa* crustacea.—*Frutices erecti*; ramis *rigidis, flexuosis*; foliis *coriaceis, conspicue penniveniis*; petiolo *basi latiuscula, raginante*. *Spicis axillaribus vel terminalibus*; floribus *sessilibus, secundis, bibracteolatis, flavis, expans.* 6-9 lin. *latis*.

Note.—The generic characters of this and the foregoing genus have been principally copied from the 'Flora Indica' of Drs Hooker and Thomson, such additions or slight alterations only having been made as the examination of fresh and more abundant specimens of the several species afforded the favourable opportunity of doing.

1. *S. castaneæfolia*, Vahl, (H.f. et T., l. c. p. 66, cum syn.)—C.P. 232, 248.

HAB. Common in the Saffragam and Galle Districts, at no great elevation. Nom. vulg. "Kakareewara"

2. *S. angustifolia*, H. f. et T., l. c. p. 66.—C.P. 2992.

HAB. Abundant in the Himdoon Corle.

Not so straggling in its growth as the preceding species, and with a good deal smaller flowers.

3. *S. alnifolia*, H. f. et T., l. c. p. 66.

Var. *α. scabra*; foliis hirsutis rigida pauca scabris.—C.P. 9.

Var. *β. dentata* (Wight, MSS.); foliis grosse et acute dentatis, subtus petiolisque hirsutis.—C.P. 339.

Var. *γ. subglabra*, foliis subtus subglabris.—C.P. 397, 2416.

HAB. Vars. *α* and *β*, in forests in the Ambaganowa District. Var. *β*, which has sharply-dentate leaves, and these more hirsute beneath and with coarser reticulation, owes its peculiarity, I believe, to growing in a more damp and shady locality. Var. *γ* occurs in forests in the Hunasgiria District.

5 WORMIA, Rottb.

1. *W. triquetra*, Rottb. (H. f. et T., l. c. p. 67, cum syn.)—C.P. 1013

HAB. Common in the moist, warmer parts of the island, up to an elevation of 2000 feet. Nom. vulg. "Decyapara"

Arbor mediocris; foliorum *petioli* canaliculatis, stipulari-marginatis (marginibus vaginantibus, cito deciduis), basi externe appendicula caruosa prominente hippocrepiformi seminematis; *floribus* secundis; *sepalis* post anthesin parce accrescentibus, imprimis ante imbricato-convergentibus, denique fructu maturo apertis vel reflexis; *petalis* plicato-rugosis, albis, basi pallide viridescens, caducis, *staminibus* erectis, luteis, circiter 3-seriatis, subæquilongis, persistentibus; *ovariis* 5, circiter 8-ovulatis; *ovulis* biserialibus; *carpellis* indehiscentibus, 1-2-spermis, *seminibus* arillatis, in pulpa pellucida gelatinosa nidulantibus.

The carpels of this, the original species of the genus, being indehiscent, it would seem doubtful whether some of the other species now included in the genus should be retained in it, or Blume's genus *Capellia* be restored for their reception.

6. *DILLENIA*, Lin.

1 *D. speciosa*, Thunb. (H.f. et T., l.c. p. 69, cum syn.)—c.p. 2961.

HAB. Common in the warmer parts of the island, up to an elevation of 2000 feet; most frequent on the banks of streams. Nom. vulg. "Hondapara."

Sect. *COLBERTIA*, Salisb.

2. *D. retusa*, Thunb. (*Wormia retusa*, H.f. et T., l.c. p. 68, cum syn.)—c.p. 2960.

HAB. In similar situations with the preceding species, but by no means so abundant. Nom. vulg. "Godajara."

Stylar medioctis, *petalis* albis, *staminibus* numerosis, 5-6-serialibus (externis graduatim brevioribus), pallide sanguineis, *antherarum* loculis lateralibus, albis; *ovariis* 5, 30-35-ovulatis; *stylis* filiformi subulatis, recurvatis, *ovulis* 4-serialibus, *fructu maturo* pendulo, croceo, $1\frac{1}{4}$ - $1\frac{1}{2}$ poll. diam; *carpellis* indurcentibus, calyce valde aucto caucoso arete inclusis, *seminibus* exarillatis, in pulpa pellucida gelatinosa indurcentibus.

There can be no doubt that this handsome species belongs to the *Colbertia* section of *Dillenia*, though it seems to differ from the others in having white instead of yellow petals. There is an indication of the stamens being collected into five groups alternating with the carpels.

† 3 *D. integra*, Thunb. (*Wormia integra*, H.f. et T., l.c. p. 68, cum syn.)

I know nothing of this plant and suspect there must be some error in a fourth species of these large Dilleniaceous trees being attributed to Ceylon.

III. MAGNOLIACEÆ

1. *MICHELIA*, Lin.

1 *M. Nilagirica*, Zenk. (H.f. et T., l.c. p. 82, cum syn.)

Var. *α ocalifolia*, Wight, *petalis* cum sep. sæpissime 9.—c.p. 141, 424.

Var. *β Walkeri*, H.f. et T. (*M. Walkeri* and *M. glauca*, Wight); *petalis* cum *sepalis* sæpissime 12.—c.p. 2636 and 576, 299, 338, 423, 617.

HAB. Central Province, at an elevation of 3000 to 8000 feet. Nom. vulg. "Walsappoo."

In Ceylon the most typical form of this plant is that called *M. Walkeri* by Dr. Wight, having lanceolate leaves more or less glaucous on the under surface, and most commonly twelve petals. Between this and the oval-leaved form a gradual transition may apparently be observed, and, although the latter has most commonly nine petals, and these wider, yet, like the authors of the 'Flora Indica,' I have been quite unable to discover any permanent characters on which two separate, clearly-defined species can be founded. The form occurring on the Nilgherries, as shown in a specimen sent to me by Dr. Hooker, differs from any I have seen growing in Ceylon in its larger leaves and much larger petals.

M. Champaca, L., is very common in cultivated ground, but I have never seen it undoubtedly wild in the forests.

IV. SCHIZANDRACEÆ.

1. *KADSURA*, Juss.

1. *K. Wightiana*, Arn. (H.f. et T., l.c. p. 84, cum syn.)—c.p. 1028.

HAB. Central Province, at an elevation of 1500 to 4000 feet.

Ramulis folisque junioribus rufescentibus; *pedunculis* sæpe petiolos multo superantibus; *floribus* pallide viridi-ochraceis; *ovariis* 3-5, sæpissime 4-ovulatis, loro conico.

V. ANONACEÆ.

1. *SAGERÆA*, Dalzell

1 *Thwaitesii*, H.f. et T., l. c. p. 93.—c. p. 2702.

HAB. Ambagamowa and Saffragam Districts, at an elevation of about 1000 feet, February, 1853.

Flores pallide croci. *Antheræ* rufescentes. *Carpella* subsessilia, nuclei Avellanæ magnitudinis vel minora, pluri-vel pauci-sperma. *Semina* compressa, sulco circumcincta.

2. *UVARIA*, Lm.

1. *U. semecarpifolia*, H.f. et T., l. c. p. 97.—c. p. 244.

HAB. Central and south-eastern parts of the island, at an elevation of 1000-3000 feet.

Flores fulvo-viridescentes. *Sepala* interiora convergentia.

2. *U. macrophylla*, Roxb. (H.f. et T., Fl. Ind. l. c. 97, cum syn.)—c. p. 3527.

HAB. South-east of the island, not uncommon.

The fruit is eaten by the Cinghalese, and was described to me as nearly black when ripe, with the interior red. The unripe fruit in the Ceylon specimen is sparingly tomentose.

3. *U. sphenocarpa*, H.f. et T., l. c. p. 99.—c. p. 1045.

HAB. Central and eastern parts of the island, up to an elevation of 1500 feet.

Flores fulvo-viridescentes. *Ovaria* elongata, prismatica, dimidio inferiore circiter 10 ovula biseriata includentia. *Stigmata* subplana, lateribus involutis.

4. *U. macropoda*, H.f. et T., l. c. p. 101.—c. p. 2541.

HAB. Similar localities with the foregoing.

Flores rubiginosi. *Carpella* matura sanguineo-coccinea. *Semina* compressa, levia, albidia, oblonga, 5 lin. longa.

5. *U. Narum*, Wall. (H.f. et T., l. c. p. 102, cum syn.)—c. p. 1032.

HAB. Common in the Central Province, up to an elevation of 4000 feet.

Flores rubiginosi, plus minus viridescentes, vel sæpe virides. *Carpella* ovalia, levia, nitida, coccinea.

6 *U. Zeylanica*, Lm. (H.f. et T., l. c. p. 102, cum syn.)—c. p. 1030, 1031.

HAB. Southern parts of the island, at no great elevation.

3. *GONIOTHALAMUS*, Blume.

Sect. 1.—*Sepalis persistentibus; stylis subulatis, indivisis.*

1. *G. Hookeri*, Thw. (c. p. 3399), *foliis* magnis, ovato-oblongis, breviter et obtuse acuminatis, basi parce angustatis, levibus, *pedunculis* petiolos æquantibus, solitariis axillaribus et fasciculatis, caulinis.

HAB. Himidoon and Reigam Corles, at an elevation of about 1000 feet, April, 1855.

Arbor medioeris, circiter 30-pedalis. *Folia* 6-13 poll. longa, $2\frac{1}{2}$ - $4\frac{1}{2}$ poll. lata; *petiolo* $\frac{1}{2}$ - $\frac{3}{4}$ poll. longo. *Flores* pallide virides, parvisime info-hirsuti. *Sepala* rotundato-acuta, $\frac{3}{4}$ poll. longa. *Petala exteriora* circiter 2 poll. longa, $\frac{3}{4}$ poll. lata, basi rotundata, supra medium parce contracta; *interna* in mitram pyramdalem, intus tomentosam, circiter $\frac{1}{2}$ poll. altam coacta. *Carpella* numerosa, fabæ minoris magnitudine, brevissime pedicellata. *Semina* nitida, *testa* brunnea.

2. **G. Thwaitesii**, H.f. et T., l. c. p. 106.—c.p. 1040.

HAB. Not uncommon in the Central Province, at an elevation of 2000 to 1000 feet. Nom. vulg. "Calocœnara."

Arbor medioeris. *Flores* virides.

3. **G. Gardneri**, H.f. et T., l. c. p. 107.—c.p. 1029.

HAB. In similar localities with the preceding, not uncommon.

Frutex erectus, 8-10-pedalis. *Flores* virides, flavescentes. *Carpella* brevipedicellata, sepiissime 2-sperma, subpollicaria, oblonga.

Sect. 2.—*Sepalis persistentibus, stylo in segmentis 2 longis filiformibus diviso*

4. **G. Thomsoni**, Thw. (c.p. 3398), *foliis* obovatis, longe et abrupte acuminatis, supra medium ad *petiolum* brevem graduatim angustatis; *pedunculis* caulibus, solitariis vel bimis.

HAB. Forests in the district between Galle and Ratnapoora, April, 1855.

Frutex erectus, $1\frac{1}{2}$ -3-pedalis. *Folia* flavescentia, 5-12 poll. longa, $1\frac{1}{2}$ -3 poll. lata, acumine $\frac{1}{2}$ - $1\frac{1}{2}$ poll., *petiolo* circiter $\frac{1}{2}$ poll. longo. *Pedunculi* $\frac{3}{4}$ poll. longi, adscendentes, prope apicem decurvati. *Flores* ochracei. *Sepala* lanceolata, $\frac{1}{2}$ poll. longa. *Petala exteriora* lanceolata, apicem versus valde angustata, basi rotundata, $1\frac{1}{2}$ poll. longa, *interna* in mitram ovalem acutam 6 lin. altam coacta. *Ovaria* elongata, *stylis* æquilongis. *Carpella* monosperma, ovalia, apiculata, $\frac{1}{2}$ poll. longa, *pedicello* 2 lin. longo.

A very distinct species, remarkable for the small size of the plant, its canalic flowers often close to the ground, and its deeply insected styles.

Sect. 3.—*Sepalis deciduis. Stylo cylindrico vel clavato, stigmate dilatato, bilobo*

5. **G. salicinus**, H.f. et T., l. c. p. 106.—c.p. 373.

HAB. Forests in the neighbourhood of "Adam's Peak," at an elevation of 2000 to 3000 feet.

Frutex erectus, 10-12-pedalis. *Flores* ochraceo-rufescentes vel fuscæ.

6. **G. reticulatus**, Thw. (c.p. 3397), *foliis* lanceolatis vel linearilanceolatis, plus minus abrupte acuminatis, basi subrotundatis, subtus conspicue reticulatis.

HAB. Carawitta Kanda and other forests between Galle and Ratnapoora.

Frutex erectus, 6-8-pedalis. *Ramuli* nigricantes, juniores strigosi. *Folia* membranacea, densissime glanduloso-punctata, subtus sparse rufo-nigro-pilosa, 6-11 poll. longa, 1-2 $\frac{1}{4}$ poll. lata. *Petoli* nigricantes, subteretibus, 2-3 lin. longi, superne sulcati, alati (lamina decurrentes, subtus enim costa minute tuberculati). *Pedunculi* multiflori, paulo supra-axillares, decurvati, $\frac{1}{2}$ poll. longi, basi bracteati. *Stylis* clavatis, *ovariis* oblongis dense rufo-strigosis dimidio longiores. *Carpella* globose 1-sperma, oblonge 2-sperma, rubiginosa, *pedicello* $\frac{1}{2}$ lin. longo.

Closely allied to *G. salicinus*, but differing in its very much larger and differently-shaped leaves. I have not seen the sepals and petals of *G. reticulatus*, as they had fallen when the specimens were gathered.

7. **G. Walkeri**, H.f. et T., l. c. p. 109.

I have never been so fortunate as to meet with this species, so can add nothing to the description given of it by the authors of the 'Flora Indica.' Nor can I tell, without an examination of specimens, to which section of this genus it is to be referred.*

4. **OROPHEA**, Blume.1. **O. Zeylanica**, H.f. et T., l. c. p. 111.—C.P. 2406.

HAB. Central Province, at an elevation of 2000 to 3000 feet.

Flores virides, fuscescentes.

2. **O. coriacea**, Thw. (C.P. 2612); *foliis valde coriaceis, ovato-lanceolatis, subacutis, basi rotundatis, brevi-petiolatis; pedunculis unifloris; staminibus 9 (6 exterioribus 3 interioribus), ovarium solitarium oblongum 2-ovulatum cingentibus.*

HAB. Dimboola and Raxawa, in the Central Province, at an elevation of about 3000 feet, April, 1852.

Arbor mediocris. Ramuli rigidi, nigricantes. Folia intense viridia, 2-5 poll longa, 1-2½ poll. lata, costa prominenti, nervis inconspicuis. Petioli vix 2 lin. longi. Pedunculi circiter ½ poll longi, basin versus 3-4 bracteis parvis strigosis muniti. Flores parvi, 4 lin. in exp. Sepala minuta, deltoidea, ciliata. Petala exteriora rotundata, obcune acuminata, externe purpurea, interne ochraceo-rufescentia, interiora purpurea, in mitram obtusam 1½ lin. altam coalita. Ovula superposita. Carpella subsessilia, subglobosa, obliqua, 1-2-sperma.

3. **O. ? obliqua**, H.f. et T., l. c. p. 112.—C.P. 2703; *floribus terminalibus caulibusque fasciculatis; staminibus 6, seriebus duabus, ovaria 3, 2-ovulata, stigmatibus depresso coronata, cingentibus, toro plano; carpellis sessilibus, globosis, 1-2-spermis.*

HAB. In the Galle and Ratnapoora Districts, at no great elevation.

Arbor mediocris. Flores purpurei, parvi. Sepala minuta, ciliata. Petala 6, subinæqualia, carnea, exteriora aperta, interiora convergentia, imbricata v. subvalvata. Carpella semipollicaria, rufescentia.

This somewhat departs from the character of *Orophea* in the sepals and petals being frequently (not always) imbricated, as in *Sageræa*, but it is too closely allied to the previous species to be separated generically from it. It would seem to point out, however, that *Sageræa* and *Orophea* should be arranged in juxtaposition.

5. **MITREPHORA**, Blume.1. **M. Heyneana**, (*Orophea Heyneana*, H.f. et T., l. c. p. 110, cum syn.)—C.P. 1033.

HAB. Haragam and other places on the Lower Badulla Road from Kandy, up to an elevation of 1500 feet.

Arbor mediocris. Pedunculi 1-3-flori. Petala lutea, interiora rubro-maculata.

The authors of the 'Flora Indica' must have had imperfect specimens of the flower of this plant for examination, for in all that I have dissected I have found the stamens far more numerous than they have described. Is the Courtalam plant distinct from the Ceylon one?†

* The sepals appear to be persistent, but the specimens being in fruit only, I cannot determine whether it should be referred to section 1 or 2—J. D. H.

† We have no flowering specimens of the Ceylon plant—J. D. H.

6. XYLOPIA, Lin.

- 1.
- X. parvifolia**
- , H.f. et T., l. c. p. 125.—c.p. 3335.

HAB. Southern parts of the island, at no great elevation. Nom. vulg. "Natton."

Arbor Flores ochracei *Carpella* columbe ovi magnitudine vel minora, oblonga *Semina* biserialia, oblonga, in pulpa carnea rufa nidulantia.

The flowers and bark of this tree are used by the Cinghalese for chewing with their betel

- 2.
- X. nigricans**
- , H.f. et T., l. c. p. 125.—c.p. 615.

HAB. This grows in the Botanic Garden, and I have not met with it elsewhere, though it probably occurs in the southern parts of the island where the other two species are found

Arbor mediocris Flores ochracei *Carpella* ut in precedente *Semina* fusconigra, levia, bilum versus attenuata, 4 lin. longa, biserialia

- 3.
- X. Championii**
- , H.f. et T., l. c. p. 126.—c.p. 1038.

HAB. Ambagumowa and Ratnapoora Districts, up to an elevation of 2000 feet Nom. vulg. "Datkateya."

Flores ochracei, plus minus rubro tincti *Carpella* pedicellata, longitudinaliter 5-costata *Semina* uniserialia, in pulpa nidulantia

7. CYATHOCALYX, Champion.

- 1.
- C. Zeylanicus**
- , (H.f. et T., l. c. p. 127.)—c.p. 1044

HAB. Central and Southern Provinces, at an elevation of 1500 to 3000 feet Nom. vulg. "Kakala"

Oestrum solitarium, uni calycis dentium oppositum *Carpella* subglobosa, plurisperma, 2½ poll. longa, drupacea *Semina* compressa, 1 poll. longa, lateribus transverse rugosa, *testa* ossea, rufa-fusca

8. ARTABOTRYS, R. Br.

- 1.
- A. odoratissimus**
- , R. Br. (H.f. et T., l. c. p. 128, cum syn.)—c.p. 1042

HAB. Northern parts of the island, *Gardner*

- 2.
- A. Zeylanicus**
- , H.f. et T., l. c. p. 128.—c.p. 1043.

HAB. Central and southern parts of the island, at an elevation of 3000 to 4000 feet

9. UNONA, Lin

- 1.
- U. Zeylanica**
- , H.f. et T., p. 132 —c.p. 1037

HAB. Central Province, at an elevation of 1500 to 3000 feet.

Frutex erectus, 3-6-pedalis *Pedunculi* saepe caulium *Flores* viridi-ochracei, intus basi rufescentes *Carpella* rufescentia *Semina* ovalia, levia, 4 lin. longa

- 2.
- U. discolor**
- , Vahl, (H.f. et T., l. c. p. 132, cum syn.)

I have never met with this species wild in the island, nor are there any specimens of it in this Herbarium but from cultivated plants.

10. POLYALTHIA, Blume.

- 1.
- P. Moonii**
- , Thw. (c.p. 437);
- foliis*
- lanceolatis, basin versus rotun-

datam obliquam angustatis, brevi-petiolatis; *pedunculis* longis, unifloris, caulinis et oppositifoliis; *petalis* carnosis, conchoideis; *carpellis* pedicellatis, 1-2-spermis; *seminibus* oblongis, lævibus, sulco circumcinctis.

HAB. Cultura, Moon. Reigam Corle, September, 1856.

Frutex 8-10-pedalis, *partibus novellis* fulvo-strigosis. *Ramuli* rigidi, cortice fusco, rugoso, albo-maculato. *Folia* 3-6 poll. longa, $\frac{3}{4}$ -2 poll. lata. *Petioles* circiter 1 lin. longi, transverse rugulosi. *Pedunculi* 1-1 $\frac{1}{2}$ poll. longi, basi bracteis 3 parvis lanceolatis muniti, fulvo-strigosi. *Flores* rubri, 4 lin. lati, externe sparse pilosi. *Sepala* lata, acuminata, 1 lin. longa. *Petala exteriora* rotunda, acuminata, *interioribus* obtusis minora. *Stamina* numerosa, cuneata, arcu compacta. *Ovaria* numerosa, oblonga, pilosa, *stilo* hirsuto clavato dimidio longiora. *Carpella* rufescentia, globosa 1-sperma vel oblonge 2-sperma, 2-4 lin. longa, *pedicello* circiter 2 lin. longo suffulta.

This is probably the species referred to at the bottom of page 137 of the 'Flora Indica'

11. GUATTERIA, Ruiz et Pavon.

1. *G. longifolia*, Wall. (H.f. et T., l. c. p. 139, cum syn.)—c.p. 1041.

HAB. Northern parts of the island, at no great elevation.

2. *G. suberosa*, Dun. (H.f. et T., l. c. p. 140, cum syn.)—c.p. 1035

HAB. Near Cultura and Colombo.

3. *G. Corinti*, Dun. (H.f. et T., l. c. p. 141, cum syn.)—c.p. 1034

HAB. Very common in the warmer parts of the island, ascending to an elevation of 1500 feet.

4. *G. coffeoides*, H.f. et T., l. c. p. 141.—c.p. 2503.

HAB. Haragam and other places on the Lower Badulla Road from Kandy, up to an elevation of 1500 feet.

Flores flavo-virides. *Carpella* nigro-purpurea. *Semina* oblonga, 7 lin. longa, 5 lin. lata, lævia, fusca, sulco undulato circumcincta

5. *G. persicæfolia*, H.f. et T., l. c. p. 140.

This species, found by Captain Champion near Galle, I have never been so fortunate as to meet with. It would appear, from the description in 'Flora Indica,' to bear considerable resemblance to *Polyalthia Moonu*.

12. ANAXAGOREA, St. Hilaire.

1. *A. Zeylanica*, H.f. et T., l. c. p. 144.

I have not yet met with this species, nor are there any specimens of it in this Herbarium, so I can add nothing to the description given of it in 'Flora Indica'

13. MILIUSA, Lesch.

1. *M. montana*, Gardn. MSS. (H.f. et T., l. c. p. 148)

Vars. α and β (c.p. 194); *ramulis foliisque* junioribus parce strigosis.

Var. γ . *tomentosa* (c.p. 1036); *ramulis foliisque* subtus plus minus tomentosus.

HAB. Central Province, at an elevation of 1500 to 3000 feet.

The extreme forms of the above varieties look very distinct, but they pass into each other by such insensible gradations, that it is quite impossible to separate them by well-defined characters. The small *exterior petals* vary from being subequal to nearly three times the length of the sepals, the carpels, too, are either subsessile or on pedicels nearly two lines in length. The leaves are occasionally subrotund and cordate at the base.

2. **M. Zeylanica**, Gardner, MSS. (H.f. et T., l. c. p. 149.)—c.p. 2678.
HAB. South of the island, at no great elevation.

**Carpella* subsessile, glabra, minute granulate.

Closely allied to the preceding, but distinguished by its larger and more acute leaves, shorter peduncles, and narrower petals

14. ALPHONSEA, H.f. et T.

1. **A. Zeylanica**, H.f. et T., l. c. p. 153.—c.p. 1039.

HAB. Central Province, at an elevation of 3000 to 4000 feet.

Flores viridi-ochracei. *Carpella* breviter fulvo-tomentosa, dura, lignosa.

2. **A. sclerocarpa**, Thw. (c.p. 2727); *foliis* lanceolatis, obtusis, basi angustatis, coriaceis, reticulatis, glaberrimis, superne nitidis, subtus opacis, pallidioribus, *fasciculis* multifloris; *carpellis* subossis, grosse verrucosis, brevi-pedicellatis.

HAB. Haragam, etc., on the Lower Badulla Road from Kandy, up to an elevation of 1500 feet.

Arbor Ramuli cuneati, rugosi, *gemmae* fulvo-pilose *Folia* 2-3½ poll. longa, 2-1 poll lata, *petiolo* 2-lm longo *Pedunculi* vix ½ lm longi, extra-axillares *Pedicelli* ½ poll longi, medio 1-bracteati, fusco-pilosi. *Sepala* minuta. *Petala* ½ poll longa, pallide ochracea, externe pilosa *Stamina* 15, 2-3-seriatim. *Ovaria* 3-5, *stilo* depresso *Oculi* circiter 8. *Carpella* 3-5, stellatim disposita, 1-2 poll longa, subglobosa, breviter fulvo-tomentosa, *pedicello* robusto, ½ poll longo *Semina* biserialia

VI MYRISTICACEÆ

1. MYRISTICA, Linn

1. **M. Irya**, Gertn. (H.f. et T., Fl. Ind. p. 159, cum syn., Alph. DC. Prod. xiv., p. 202)—c.p. 2620

HAB. Not uncommon in damp places, up to an elevation of 2000 feet
Nom. vulg. "Eereya-gass."

2. **M. Zeylanica**, Alph. DC. Ann. Sc. Nat. ser. 4, vol. iv., p. 29, Prod. xiv., p. 190.—c.p. 2923.

HAB. Banks of rivers, at no great elevation Nom. vulg. "Malabodde."

3. **M. laurifolia**, H.f. et T., l. c. p. 163; Alph. DC. Prod. xiv., p. 191.—*M. diospyrifolia*, Alph. DC., l. c.—c.p. 416.

HAB. Central Province, in the forests, at an elevation of 1500 to 4000 feet. Nom. vulg. "Malabodde."

4. **M. Horsfieldii**, Bl. (H.f. et T., l. c. p. 163, cum syn., Alph. DC. Prod. xiv., p. 200.)—c.p. 221.

HAB. Abundant in the Ambagamowa and Ratnapoora districts, up to an elevation of 1000 feet. Nom. vulg. "Rook-gass."

The very fragrant male flowers are used by the natives as a perfume for scenting their clothes

VII MONIMIACEÆ.

1 HORTONIA, Wight.

1. **H. floribunda**, Wight. (H.f. et T. l. c. p. 166.)

Var. *a. acuminata*, H.f. et T., l. c. (*Hort. floribunda* and *H. acuminata*, Wight, Ic.)—c.p. 1027.

Var. *β. ovalifolia* (*Hort. ovalifolia*, Wight, Ic.)—c.p. 159, 161, 175.

Var. *γ. angustifolia*; foliis linear-lanceolatis; floribus multo minoribus quam in varr. *a* et *β*.—c.p. 1026.

HAB. Vars. *a* and *β*. Central Province, at an elevation of 4000–7000 feet. Var. *γ*. In the neighbourhood of Galle, at no great elevation. Nom. vulg. “Waaweya.”

Flores pallide viridi-flavi. *Drupæ* carnosæ, pulposæ, rubro-nigricantes.

Between varieties *a* and *β* of this species there are intermediate forms, by which they pass insensibly into one another, and they both occur at considerable elevations on the hills of the Central Province. Variety *γ*, however, may be considered a permanent or sub-permanent one, as it is a much more delicate plant, with far smaller flowers, and occurs at no great elevation above the level of the sea. I shall have occasion to notice, in this “Enumeration,” similar varieties of several other species.

VIII. MENISPERMACEÆ

1. COSCINIUM, Colebr

1. *C. fenestratum*, Colebr (H.f. et T., l. c. p. 178, cum syn.)—c.p. 1055.

HAB. Central and Southern Provinces, up to an elevation of 1500 feet. Nom. vulg. “Wenwel.”

An infusion of the wood of this plant is employed by the Cinghalese as a bitter tonic.

2. TINOSPORA, Miers.

1. *T. tomentosa*, Miers, (H.f. et T., l. c. p. 183, cum syn.)—c.p. 2804.

HAB. On the Lower Badulla Road from Kandy, at no great elevation. Nom. vulg. “Bookinda.”

2. *T. cordifolia*, Miers, (H.f. et T., l. c. p. 184, cum syn.)—c.p. 1053.

HAB. Warm, drier parts of the island, at no great elevation. Nom. vulg. “Rassakinda.”

An infusion of the young stems of this plant is used as a remedy in fevers.

3. ANAMIRTA, Colebr

1. *A. Cocculus*, W. et A. (H.f. et T., l. c. p. 185, cum syn.)—c.p. 2722.

HAB. Warmer parts of the island, up to an elevation of 1500 feet. Nom. vulg. “Tetti-wel.”

4. TILIACORA, Colebr.

1. *T. acuminata*, Miers, (H.f. et T., l. c. p. 187, cum syn.)—c.p. 1056.

HAB. North-eastern parts of the island, at no great elevation. Gardner.

5. LIMACIA, Lour.

1. *L. cuspidata*, H.f. et T., l. c. p. 189—c.p. 1051.

HAB Common up to an elevation of 4000 feet. Nom. vulg. "Nirriwel."

6. COCCULUS, DC.

1 *C. macrocarpus*, W. et A. (H.f. et T., l. c. p. 191, cum syn.)—c.p. 1052.

HAB. Central Province, not uncommon.

7 STEPHANIA, Lour.

1 *S. hernandifolia*, Walpers, (H.f. et T., l. c. p. 196, cum syn.)—c.p. 2757

HAB Common in the Central Province.

8 CISSAMPELOS, Lam

1 *C. Pareira*, Lam. (H.f. et T., l. c. p. 198, cum syn.)—c.p. 169

HAB. Very common throughout the island. Nom. vulg. "Deyamitta."

2 *C. subpeltata*, Thw. (c.p. 168); *foliis* cordatis vel rotundato-acutis obtusatisve, subpeltatis, apiculatis, superne parce pilosis, subtus cinereis, subtomentosis; *FORM. bracteis* parvis, oblongis oblativis, utrinque hirsutissimis, apiculo subaequilongis; *drupis* oblongis.

HAB. Ambagamowa and Ratnapoora Districts, at no great elevation

Ramuli striati, parce pubescentes. *Folia* 2-3 poll longa et aequilata. *Petioles* 1½-2½ poll longi, striati, pubescentes, prope marginem folii albi. *Panicula* plus minus elongata, subtomentosa. *Drupes* 2 lin longae, 1½ lin latae.

This seems to be a very distinct species, the female inflorescence wanting the large foliaceous bracts so characteristic of *C. Pareira*. The drupes of *C. subpeltata* are also much larger than those of its congener.

9. CYCLEA, Arn.

1 *C. Burmanni*, Miers, (H.f. et T., l. c. p. 201, cum syn.)—c.p. 1049.

HAB Very abundant throughout the island. Nom. vulg. "Canhe-pittang."

2. *C. peltata*, H.f. et T., p. 201, cum syn.

I know nothing of this plant, never having collected any specimens of the genus but what seemed to be all referable to one species.

10. PACHYGONE, Miers

1 *P. ovata*, Miers, (H.f. et T., l. c. p. 203, cum syn.)—c.p. 1050, 1051

HAB. Dry, hotter parts of the island, not uncommon

IX BERBERIDEÆ

1 BERBERIS, Lin.

1. *B. aristata*, DC. (H.f. et T., l. c. p. 222, cum syn.)—c.p. 2405.

HAB. Newera Elia, and other elevated parts of the island, abundant.

X. NYMPHÆACEÆ.

1. NYMPHÆA, Lin.

1. **N. Lotus**, Lin. (H.f. et T., l. c. p. 241, cum syn.)

Var. *α. Lotus* (c.p. 1020).

Var. *β. pubescens* (c.p. 1019).

HAB. Not uncommon in the lower parts of the island.

2. **N. stellata**, Willd. (H.f. et T., l. c. p. 243, cum syn.)—c.p. 1021.

HAB. Common in the warmer parts of the island.

I have never seen any but the pale, whitish variety in Ceylon.

XI. NELUMBIACEÆ.

1. NELUMBIUM, Juss.

1. **N. speciosum**, Willd. (H.f. et T., l. c. p. 248, cum syn.)—c.p. 1022.

HAB. Colombo, and elsewhere in the island.

XII. CRUCIFERÆ.

1. CARDAMINE, Lin.

1. **C. hirsuta**, Lin.—c.p. 2962

Var. *major*; sæpiissime trifoliolata.—c.p. 1017

HAB. Not uncommon in the more elevated parts of the island, above 4000 feet. The trifoliolate variety occurs in shady woods.

XIII. CAPPARIDACEÆ.

1. GYNANDROPSIS, DC.

1. **G. pentaphylla**, DC. Prod. i. 238, cum syn.—c.p. 2640.

HAB. Common in cultivated ground. Nom. vulg. "Waula"

2. CLEOME, DC.

1. **C. monophylla**, Lin. (DC. Prod. i. 239)—c.p. 2792.

HAB. Cultivated ground, common. The flowers are of a dull-purple colour.

2. **C. aspera**, Kænig, (DC. Prod. i. 241.)—c.p. 1068.

HAB. Dry sandy ground, common.

3. POLANISIA, Rafin.

1. **P. viscosa**, *β. icosandra*, DC. Prod. i. 242.—c.p. 1073.

HAB. Very common in cultivated ground.

4. CRATÆVA, Lin

1. **C. Roxburghii**, R. Br. (W. et A., Prod. i. 23.)—c.p. 1067.

HAB. North-eastern parts of the island, at no great elevation. Nom. vulg. "Loonoowarana."

5. CADABA, Forsk.

1. *C. trifoliata*, W. et A. Prod. i. 24—c.p. 1066.

HAB. Northern part of the island, *Gardner*.

2. *C. Indica*, Lam (W. et A. Prod. i. 24.)—c.p. 1070.

HAB. Northern part of the island, *Gardner*.

6. MÆRUA, Forsk.

1. *M. oblongifolia*, A. Rich. Tent Fl Abyss i. 32, t. 5.—*Nichuhria oblongifolia*, DC Prod. i. 244. Hook Ic. n. t. 128.—c.p. 1064.

HAB. Trincomalee, *Gardner*

7 CAPPARIS, Lam

Sect 1

1. *C. brevispina*, DC Prod. i. 246, (W. et A. Prod. i. 24, cum syn.)

Var. *α. brevispina* (*C. brevispina*, DC.)—c.p. 1062 and 2509.

Var. *β. Rheedu* (*C. Rheedu*, DC.)—c.p. 1060

Var. *γ. rotundifolia* (*C. rotundifolia*, Rottb., Willd.)—c.p. 1059

HAB. Very abundant in the hot, dry northern parts of the island.

May not one of the forms of this species be the *C. Zeylanica* of Linnæus?

2. *C. stylosa*, DC Prod. i. 246, (W. et A. Prod. i. 25, cum syn.)—c.p. 1072

HAB. North of the island, *Gardner*

Sect 2

3. *C. horrida*, Lam. (W. et A. Prod. i. 26, cum syn.)—c.p. 1058

HAB. Hot, drier parts of the island, up to an elevation of 1500 feet

4. *C. tetrasperma*, Thw (c.p. 611); *stipulis* spinosis, brevibus, uncinatis; *foliis* ovatis, acuminatis, glabris, *juncioribus* parce pubescentibus; *sepalis* glabris, margine lanatis; *petalis* interne glabris, externe hincugiosis

HAB. Lower Badulla Road from Kandy, up to an elevation of 1500 feet.

Frutex scandens. *Ramuli* teretes, minute striati, glabri. *Folia* 1½–2½ poll longa, ¾–1½ poll lata, *petiolo* ¼ poll longo. *Pedicelli* supra-axillares, sesquipedes 3, 1-seriales, 6 lin longi. *Petala* oblonga, 2 lin longa, *sepala* ovalia acuta parum excedentia. *Stamina* circiter 20. *Ovarium* oblongum, attenuatum; *gynophoro* pedicellum subequante, *placentis* 2, 2-3-ovulatis. *Orula* brevi-stipitata. *Nuculanum* globosa, 4 lin. in diam, sesquipedes 4-sperma.

This is probably the *C. Zeylanica* of De Candolle, but can scarcely be the plant so called by Linnæus, the leaves of which are described as "subpetiolata;" nor can it well be the *C. acuminata*, Willd. (*C. Zeylanica*, W. et A.), which is stated to have the leaves tomentose beneath, and the spiny stipules straight.

Sect. 3.

5. *C. Roxburghii*, DC Prod. i. 247; W. et A. Prod. i. 26; R. W. Ic. t. 1048—c.p. 1065, 2480.

HAB. Hot, drier parts of the island, at no great elevation.

Petala alba *Ovarium* oblongum, attenuatum; *placentis* 5, pluriovulatis. *Ovula* subsessilia *Nuculana* globosa *Semina* numerosa

6. **C. Moonii**, R. W. Illust. i p. 35 — c p. 2415.

HAB. Central Province, up to an elevation of 3000 feet.

Frutex scandens, maximus, glaberrimus; *stipulis* spinosis, uncinatis *Folia* 4-6 poll longa, $1\frac{1}{2}$ -2 $\frac{1}{2}$ lata, oblonga, acuminata, acumine reflexo, basi rotundata, *petiolo* circiter $\frac{1}{2}$ poll longo *Petala* alba, parce pilosa, *sepalis* rotundatis circiter 1 poll longis bis longiora *Stamina* numerosa, filamentis albis, 3-4 poll longis. *Ovarium* ampulliciforme, *gynophoro* 4 poll. longo, *placentis* 4, pluriovulatis *Ovula* longe-stipitata *Nuculana* globosa, circiter 4 poll in diam *Semina* numerosa, fabæ magnæ magnitudinis

7. **C. retusella**, Thw (c p 2550); *ramis ramulisque* ferrugineo-tomentosis, *stipulis* spinosis uncinatis armatis; *foliis* parvis, ovatis, versus apicem retusum angustatis; *racemis* terminalibus, 5-6-floris; *pedicellis* horizontalibus; *floribus* parvis.

HAB. Lower Badulla Road from Kandy, up to an elevation of 1500 feet.

Folia 1-2 poll longa, 3-6 lin lata, glabra, *juniora* ferrugineo-pilosa *Petiolis* $1\frac{1}{2}$ lin longis, tomentosis *Pedicelli* glabri, 6 lin longi, basi *bractea* minuta lanceolata tomentosa suffulti *Sepala* rotundata, albo-marginata, glabra, parce ciliata, 2 lin. longa *Petala* alba, glabra, ciliata, oblonga, 3 lin longa *Stamina* circiter 30, *gynophorum* $\frac{1}{2}$ lin longum sequantia *Ovarium* oblongum, apice attenuatum, *placentis* 2, pluriovulatis *Ovula* brevistipitata *Nuculana* globosa, 3 lin in diam

8. **C. pedunculosa**, Wall. No 6999. (W et A. Prod. i. 27) — c p. 1069.

HAB Lower Badulla Road from Kandy, up to an elevation of 1500 feet

9. **C. grandis**, Hb Heyne, (W et A. Prod. i. 27.) — c.p. 1071.

HAB North-east of the island. *Gardner*.

10. **C. sepiaria**, Lam (W. et A. Prod. i. 26, cum syn.) — c.p. 1063

HAB. Jaffna. *Gardner*

XIV. FLACOURTIACEÆ

BIXEE

1. BIXA, Lam.

1. **B. Orellana**, Lam. (W et A. Prod. i. 31, cum syn.) — c.p. 2821.

HAB Kornegalle, Four Korles, etc., but scarcely truly wild.

PROCKEE

2 PHOBEROS, Lour.

Seet 1 — *Foliis ad petioli apicem biglandulosis*.

1. **P. Arnottianus**, Thw. (c.p. 3526). *foliis* ovalibus, apicem versus obscure serratis, *sepalis* 8-10, oblongis.

HAB I know of this species only from two not very old trees growing in the Botanic Garden, where there is no record of whence they were procured. *Nom. vulg* "Katookooroodoo."

Arbor mediocris *Truncus* spinis magnis compositis armatus *Ramuli* plerumque

inermis. *Folia* $1\frac{1}{2}$ – $2\frac{1}{4}$ poll. longa, 1 – $1\frac{1}{2}$ poll. lata, apice obscure et brevissime acuminato, rotundato vel retuso. *Petiole* $\frac{1}{4}$ poll. longi. *Nuculania* pisi magnitudine, subglobosa, pulposi, rubro-nigrescentes.

There can be little doubt, I think, of this being Gærtner's plant, from the number of sepals being frequently 8, as he has figured them. It can scarcely be the *P. macrophyllus*, W. et A. Prod. i. 30, as the leaves are scarcely acuminated, and the fruit is pulpy, not dry.

Sect. 2.—*Foliis basi cylindulosius.*

2. **P. Gærtneri**, Thw.; *trunco armato*; *foliis* utrinque venis prominentibus reticulatis; *sepalis* 10, rotundatis, obtusis.—*Limonia pusilla*, Gærtn. i. 279. t. 58, 4.

Var. *a. oblongifolius* (c.p. 2497); *foliis* oblongis, basi apiceque plerumque rotundatis.

Var. *β. cordifolius* (*Scolopia pusilla*, Moon's Cat.)—c.p. 1076; *foliis* ovato-vel rotundato-cordatis, obtusis vel subacuminatis.

Var. *γ. lanceolatus* (c.p. 64, 181, 211); *foliis* lanceolatis, basi apiceque plus minus angustatis.

HAB. Warmer parts of the island, up to an elevation of 1500 feet.

Var. *β.* Hot parts of the island, and especially near the seacoast.

Var. *γ.* Hot, drier parts of the island. Nom. vulg. "Katoo-koo-roondoo."

Arbor mediocris. *Folia* (var. *α* et *γ*) 1 – 2 poll longa, $\frac{3}{4}$ – 1 poll lata; (var. *β.*) valde variantia. *Nuculania* subglobosa, pisi magnitudine, pulposa, rubro-nigrescentia.

It is impossible to retain Gærtner's specific name of *pusillus* for this, which forms a large tree. The leaves of var. *γ* are less coriaceous and more minutely reticulated than those of vars *α* and *β*, and it may possibly be a distinct species.

3. **P. acuminatus**, Gardner, MSS. (c.p. 1077); *foliis* glabris, ovato-lanceolatis, longe acuminatis, apicem versus obtusum serratis, basi angustatis; *sepalis* 10–12, late lanceolatis.

HAB. Central Province, at an elevation of 1000 to 3000 feet. Nom. vulg. "Katookenda."

Arbor mediocris, junior spinosa, denique inermis. *Folia* 2 – $3\frac{1}{4}$ poll. longa, 1 – $1\frac{1}{2}$ poll. lata, subius palidiora, obscure et delicatule venosa. *Petiole* 2 – 3 lin. longi. *Nuculania* subglobosa, cerasi magnitudinis, carnosa, viridia, firma nec pulposa.

4. **P. Hookerianus**, Wight, MSS. (c.p. 629); *foliis* ovatis, subacuminatis, obtusis, basi angustatis, margine parce undulatis; *sepalis* 12–14, oblongis.

HAB. Central Province, at an elevation of 4000 to 7000 feet.

Arbor ingens, junior spinosa, denique inermis. *Folia* $1\frac{1}{2}$ – 2 poll. longa, $\frac{3}{4}$ – 1 poll. lata, valde coriacea, subius venis prominentibus reticulata. *Petiole* vix 2 lin. longi. *Nuculania* cerasi magnitudinis vel majora, carnosa, viridia, firma nec pulposa.

FLACOURTIEÆ

3. FLACOURTIA, Commers.

1. **F. sepiaria**, Roxb. (W. et A. Prod. i. 29, cum syn.)—c.p. 1650.

HAB. Hot, drier parts of the island, up to an elevation of 1500 feet.

2. **F. sapida**, Roxb. (W. et A., l. c.)—c.p. 2583.

HAB. Central Province, at an elevation of 1500 to 3000 feet. Nom. vulg. "Oogoorassa."

Arbor mediocris. *Truncus* spinis magnis compositis armatus. *Ramuli* cortice cinerascenti; *spinis* paucis, simplicibus, axillaribus. *Folia* 2-3 poll. longa, $1\frac{1}{2}$ -2 poll. lata, superne nitida, reticulatim venosa, subtus pallidiora. *Nuculanis* cerasi parvi magnitudine, rubro-nigrescentia.

The fruit of this tree is eaten, when quite ripe, by the natives; but when unripe it is extremely astringent.

4. ROUMEA, Poit.

1 **R. hebecarpa**, Gardner, in Calcutta Journ. of Nat. Hist. vol. vii. p. 9 (c.p. 1075); arborea, inermis, *foliis* petiolatis, ovato-oblongis vel oblongo-lanceolatis, acuminatis, basi subobtusis, integris vel dentato-serratis, supra nitidis pubescentibus, subtus pallidis, tomentosis; *nuculanis* globosis, velutinis.—Gardner.

HAB. Condasalle, Maturatte, etc. Nom. vulg. "Katambilla."

Arbor mediocris, 16-20-pedalis. *Ramuli* teretes, cinerei, tuberculati, juniores rufescentes, tomentosi. *Folia* circiter 4 poll. longa, 2 lata, *petiolo* circiter 4 lin longo, *costa* venis primariis rufescentibus. MAS. *Pedunculi* brevissimi, sæpe geminati. *Pedicelli* 10-20, umbellati, circiter 4 lin. longi, pubescentes. *Calyx* profunde 5-7-partitus, *lobis* lanceolatis, acutis, pubescentibus. *Stamina* numerosa, *filamentis* filiformibus, *calycis* segmenta æquantibus; *antheris* introrsis, obtusis. *Ovarii* rudimentum nullum vel parvum. *Discus hypogynus* nullus. FEM. *Pedicelli* 1-3. *Calyx* lobi ovato-lanceolati, acuti, persistentes, circiter $3\frac{1}{2}$ lin. longi. *Ovarium* dense pubescens, subglobosum, *disco* annulari crenulato cinctum, *placentis* 5-7, 2-ovulatis. *Styli* divergentes, $1\frac{1}{2}$ lin. longi, pilosi. *Stigmata* radiatim fimbriata. *Nuculanis* circiter 1 poll. in diam.—A. *descript. et Gardner præcipue excerpt.*

The acid fruit of this species is eaten by the Cinghalese.

ERYTHROSPERMEE

5. ERYTHROSPERMUM, Lam

1. **E. phytolaccoides**, Gardner, l. c. p. 11 (c.p. 468); *foliis* sparsis, petiolatis, oblongo-lanceolatis, acuminatis, basi acutis, utrinque glaberrimis, integris vel obscure serratis; *racemis* paniculatis, axillaribus terminalibusque, folia subæquantibus; *sepalis* 5, ovatis, obtusis, concavis; *petalis* ovato-oblongis, ciliatis; *antheris* sagittatis.—Gardner.

HAB. Ambagamowa and Ratnapoora Districts, up to an elevation of 1500 feet.

Arbor mediocris, 20-30-pedalis. *Ramuli* glabri, teretes. *Folia* alterna, superne nitida, subtus pallidiora, venis prominentibus reticulata, $3\frac{1}{2}$ -8 poll. longa, $1\frac{1}{2}$ -3 poll. lata. *Petioles* 3-8 lin. longi, superne sulcati, basi apiceque tumiduli. *Stipule* minutæ, lanceolatæ, rufescentes. *Racemi* multiflori. *Pedunculi* glabri, obtusanguli, albi. *Pedicelli* 2-3 lin. longi, basi 3-bracteolati. *Sepala* albidæ, rufotincta, circiter 2 lin. longa. *Petala* alba, ovato-oblonga, obtusa, ciliata, *sepalis* æquilonga. *Ovarium* oblongum, glabrum. *Capsula* globosa, 3-5 lin. in diam., fere ad basin 3-4-valva, oligosperma.—A. *descript. et Gardner præcipue excerpt.*

XV PANGIACEÆ.

1. HYDNOCARPUS, Gartner.

1. **H. inebrians**, Vahl, (non W. et A. Prod. i. 30. et R. W. III. 38. t. 16.)—*H. venenata*, Gartner, Fruct. i. 288. t. 60, 3.—c.p. 1630.

HAB. Banks of rivers, up to an elevation of 2000 feet. Nom. vulg. "Makooloo."

Arbor magna. Folia lanceolata, acuminata, serrata vel subintegra, basi plus minus angustata, subobliqua. *Sepala* rotundata, *petalus* rotundatis, ciliatis, $1\frac{1}{2}$ lin. longis parce longiora. *Squamule* rotundatæ, acuminatæ, ferrugineo-strigosæ. *Nuculanæ* circiter 1 poll. in diam., ferrugineo-tomentosa, demum nigrescentia.

The fruit of this plant is used by the Cinghalese for intoxicating fish. The oil extracted from the seeds is employed as a remedy in cutaneous complaints.

2. *H. octandrus*, Thw. in Hooker's Journ. of Bot. vol. vii. (1855) p. 197.—C.P. 2640.

HAB. Ambagamowa District, at an elevation of about 2500 feet.

3. *H. alpinus*, Wight, Ic. t. 942.—C.P. 2918.

HAB. Saffragam and Buitenne Districts, at no great elevation.

2 TRICHADENIA, Thw. l. c.

1. *T. Zeylanica*, Thw. l. c. 196 t. 5.—C.P. 2505.

HAB. Central Province, at an elevation of about 3000 feet, not uncommon. Nom. vulg. "Tettigass."

The oil extracted from the seeds is used for diseases of the skin of children.

XVI. SAMYDACEÆ.

1 CASEARIA, Jacq.

1. *C. tomentosa*, Roxb. (DC. Prod. ii. 51)—C.P. 1248.

HAB. Jaffna and Sigre. *Gardner*

Ramuli pubescentes. *Folia* oblonga, utrinque angustata, obtusa, crenata, 3-4 poll. longa, 1 $1\frac{1}{4}$ lata, superne subglabra, subius pubescentia. *Petioles* pubescentes, $\frac{1}{2}$ poll. longi. *Charium* 3-placentatum.

2. *C. Zeylanica*, (*C. ovata*, Willd.? *C. esculenta*, Roxb.? *Vareea Zeylanica*, Gærtn. Fruct. i. 290 t. 60, 6.)—C.P. 415, 2603; *foliis* lanceolatis, acuminatis, basi acutis, integris vel obscure dentatis, nitidis, reticulatis, *junioribus* parce hirsutis; *staminibus* 8, *ovario* hirsuto, 3-placentato; *stigmatibus* in medio depresso.

HAB. Hotter parts of the island, very common, up to an elevation of 1500 feet. Nom. vulg. "Wal-wareka."

Arbor medioeris. *Folia* 3-6 poll. longa, 1-2 poll. lata. *Petioles* $\frac{1}{4}$ - $\frac{1}{2}$ poll. longi.

3. *C. Championi*, Thw. (C.P. 2608), *foliis* ovatis vel ovato-lanceolatis, acuminatis, glabris, nitidis, reticulatis; *staminibus* 8, *ovario* glabro, 3-placentato; *stigmatibus* plano, obscure 3-lobato.

HAB. Central Province, at an elevation of 3000 to 4000 feet.

Arbor medioeris. *Ramuli*, cum *foliis* junioribus, rufescentes, glabri. *Folia* 3-6 poll. longa, $1\frac{1}{4}$ - $2\frac{1}{4}$ lata. *Petioles* $\frac{1}{4}$ - $\frac{1}{2}$ poll. longi.

4. *C. varians*, Thw.; *foliis* glabris, subopacis, integris vel rarius parce crenatis, obscure reticulatis, basi acutis; *staminibus* sæpissime 7, *ovario* glabro, 2-placentato; *stigmatibus* obscure 2-lobato.

Var. *a ovata* (C.P. 2604 and 2657), *foliis* ovatis vel ovato-lanceolatis, acuminatis.

Var. *β. minor* (C.P. 3365). *foliis* ut in var. *a*, sed multo minoribus.

Var. *γ. obovata* (C.P. 1217, 1247); *foliis* obovatis, apice obtuse sub-acuminato, rotundato vel retuso.

HAB. Vars. *α* and *β* in the Central Province, at an elevation of 3000 to 5000 feet. Var. *γ* at Newera Ellia, at an elevation of 7000 to 8000 feet.

Variety *α* of this species bears considerable resemblance to *C. Championi*, as regards the shape and size of the leaves, but in other respects is sufficiently distinct.

5. *C. coriacea*, Thw. (C.P. 465); *foliis* obovatis, brevissime acuminatis, obtusis, basi angustatis, coriaceis, creberrime reticulatis, glabris, superne (siccis) nigricantibus, subtus cinereis; *staminibus* 6-8, *squamis* truncatis pilosis multo longioribus; *ovario* glabro, 2-placentato.

HAB. Adam's Peak, at an elevation of 6000 to 7000 feet.

Arbor mediocris. *Folia* 2-3 poll. longa, 1½-1¾ lata. *Petiolis* 2-3 lin. longi.

This species a good deal resembles the variety *γ* of *U. varians*, but the leaves are far more coriaceous, and more densely reticulated.

2. OSMELIA, Thw.

CHAR. GEN.—*Calyx* 5-partitus. *Stamina* 10 (5 cum totidem *squamulis* profunde bilobis, dense pilosis alternantia, 5 in earundem *squamularum* sinibus singulatim inserta), omnia fertilia, subæqualia. *Styli* 3, incurvati. *Capsula* subcoriacea, 3-valvis. *Semina* pauca.

1. *O. Gardneri*, Thw. (*Casuaria paniculata*, Gardner, MSS.)—C.P. 1246.

HAB. Central Province, at an elevation of about 3000 feet. Not common.

Arbor medioeris, cortice levi. *Ramuli* trietes, juniores pilosi. *Folia* integra, ovato-lanceolata, acuminata, glabra, pennivenia, 2½-4 poll. longa, 1-1½ poll. lata. *Petiolis* superne sulcati, 2-3 lin. longi. *Stipule* minutæ, deciduæ. *Racemi* terminales, elongati, interrupti, multiflori, pubescentes, paniculati. *Flores* brevissime pedicellati, albi, plus minus rufotincti, singuli involucllo minuto cupuliformi basi umbraæto suffulti. *Calyces* lobis rotundati, externe parce pilosi. *Stamina* exserta. *Ovarium* oblongum, dense pilosum, 3-placentatum, *placentis* 2-3-ovulatis. *Capsula* subglobosa, 1-4-sperma. *Semina* subglobosa, arillo carnoso, rubro; *testa* membranacea.

XVII. VIOLACEÆ.

1. VIOLA, Lm.

1. *V. Patrinii*, DC (W. et A. Prod. l. 32, cum syn.)—C.P. 1087.

HAB. Central Province, at an elevation of 5000 to 8000 feet. Not uncommon.

2. *V. Wightiana*, Wall. (W. et A. Prod. l. c.; R. W. Illust. 943.)—C.P. 153.

Var. *α. pubescens*; *planta* tota plus minus pubescens, *foliis* crenato-serratis.

Var. *β. glabra*; *planta* tota glabra, *foliis* obscure crenato-serratis.

HAB. Var. *α*, Central Province, very abundant, at an elevation of 4000 to 8000 feet. Var. *β* in wet, spongy places, at Newera Ellia.

2. IONIDIUM, Vent.

1. *I. suffruticosum*, Ging. in DC. (W. et A. Prod. l. c.; R. W. Ill. 308.)—C.P. 76.

HAB. Hot, dry, exposed places, up to an elevation of 3000 feet. Common.

2. *I. ramosissimum*, Thw. (c.p. 1084); fruticosum, suberectum, foliis linearibus, apiculatis, laevibus, integerrimis, glaucis, marginibus revolutis.

HAB. Banks of the Mahawelliganga at Haragam.

Closely allied to the preceding species, but besides the characters mentioned above, the stems are much more woody and the internodes shorter, than in *I. suffruticosum*. In the inflorescence of the two species I can discover no difference, and the glandular-tipped stipules are alike in both.

3 ALSODEIA, Thoms.

1. *A. Zeylanica*, Thw. (*Pentaloba Zeylanica*, Arn. Mag. of Zool. and Bot. n. 543.)—c.p. 2669

HAB. Ratnapoora District. Not uncommon

Frut. erectus, 10-12-pedalis. *Ramuli* teretes, emicci, opaci, juniores pilosi. *Folia* lanceolata vel ovato-lanceolata, acuminata, 2½-6 poll longa 1-2½ poll lata, nitida, reticulata, dentata. *Petiole* 2½-5 lin longi, superne sulcati. *Stipulae* linearolati, acuti, appressæ, 3-4 lin longæ, rufo-fuscae, subsistentes. *Fasciculi* pluribracteolati, bracteolis acutis, rufo-fuscis. *Pedicelli* emicci 1 lin longi. *Flores* albi. *Calycis* lobis lanceolatis, acuti petalis apice recurvatis, plus quam dimidio breviores, rufo-tincti. *Ovicolus* intescens, 5-crenatus, crenaturis filamentis supra basin insertis oppositis. *Stamenum* filamenta cum ligulis alba, antherarum loculi introrsi, flavi. *Stigma* trilobum.

4 Gen. Nov. SCYPHELLANDRA, Thw.

Sepala 5. *Petala* 5. *Glandulae* 5, minutæ, carnosæ, petalis alternantes, *staminum* 5 dorso appressæ. *Antheræ* subsessiles, marginibus coherentes, singulae connectivo lato in ligulam apicalem, liberam, membranaceam productæ. *Ovarium* sessile, 1-loculare, *stylo* lineari, *stigma* 3-lobato. *Capsula* 3-valvis, 3-1-sperma.

1. *S. virgata*, Thw., foliis alternis, ovatis vel oblongis, denticulatis, glabris, basi apiceque obtusis, petiolatis—c.p. 1085

HAB. Not uncommon in the hot, drier parts of the island

Frut. parvus. *Ramuli* virgati, emicci, striati, juniores pilis curvatis pubescentes. *Folia* magnitudinis etiam in ramo uno valde varia, 1½-14 lin longæ, 1-6 lin lata. *Petiole* ¼-1 lin longi, pubescentes. *Stipulae* minutæ, lanceolatae. *Pedunculæ* axillares, solitariæ, 1-floræ, 1-2 lin longæ, basi pluri bracteolati. *Sepala* ovata acuminata, petalis linear-oblongis, 5-nerviis, emicci 1 lin longæ plus quam dimidio breviora. *Capsula* 2½ lin longa.

This interesting little plant has the anthers of *Hymenanthera* and the carpels and numerous bracteole of *Alsodeia*, thus forming a connecting link between the two genera.

XVIII. DROSERACEÆ.

1. DROSERA, Lam.

1. *D. Burmanni*, Vahl, (W. et A. Prod. l. 34, cum syn., R. W. Ic. 944)—c.p. 1089

HAB. Not uncommon throughout the island.

2. *D. Indica*, Lam., (W. et A. Prod. l. c. cum syn.)—c.p. 1088.

HAB. South of the island. Not common.

3. **D. lunata**, Ham. (DC. Prod. i. 319.)—c.p. 2553.

HAB. Common in the most elevated districts of the island.

XIX. POLYGALACEÆ.

1. POLYGALA, Lin.

1. **P. telephioides**, Willd. (W. et A. Prod. i. 36, cum syn.)—c.p. 1080.

HAB. Colombo, Haragam, etc.

2. **P. rosmarinifolia**, W. et A. Prod. i. 37 (non Eck. et Zeyh.).

Var. *a. mucronata* (c.p. 715 et 1083); *foliis* glabris vel parce pubescentibus, *bracteolis* longe mucronatis.

Var. *β. puberula* (c.p. 1082); *foliis* pubescentibus, *bracteolis* raro mucronulatis.

HAB. Not very common, but generally distributed, occurring from the level of the sea up to an elevation of 4000 feet.

I have hitherto been disposed to consider vars *a* and *β* distinct species, but they resemble each other so closely in most respects that it is perhaps hardly safe to separate them on account of such trivial differences as the greater or less pubescence of the foliage, or the bracteoles being mucronate or otherwise.

3. **P. elongata**, Klein, in Willd. Sp. in. 879; DC. Prod. i. 332.—*P. densiflora* Blume, Bijl. 59.—(c.p. 7, 260, et 592.)

Var. *β. hirsutula*.—*P. hirsutula*, Arn. Pug. 4 (322.)—c.p. 1079, 1081.

HAB. Central Province, at an elevation of 4000 to 7000 feet.

This is a very variable species, especially in the form and hairiness of the leaves, and length of the racemes. The flowers, which are of a bluish or a purple colour, are very uniform in size and structure throughout the several varieties. The narrow border of the capsule is pubescent with curved hairs, and with these are frequently intermixed straight, longer hairs. Var *β* occurs on banks at Newera Ellia, and is only a stunted form of the plant.

4. **P. Javana**, DC. Prod. i. 327 (W. et A. Prod. i. 38.)—c.p. 184.

Var. *β. angustifolia* *foliis* linear-oblongis.

HAB. Var. *a*, north of the island, *Gardner*. Var. *β*, Balangodde, *Gardner*, and Matturatte.

5. **P. leptalea**, DC. Prod. i. 325 — *P. oligophylla*, DC., l.c.—c.p. 3550.

HAB. Nilgalla, in the Badalla District, amongst high grass, rare.

6. **P. arillata**, Ham. (W. et A. Prod. i. 39; R. W. Icon 916.)—c.p. 434 et 517.

HAB. Central Province, at an elevation of 4000 to 7000 feet.

2. SALOMONIA, Lour.

1. **S. oblongifolia**, DC. Prod. i. 334 (*S. leptostachya*, Wall. Cat.)—c.p. 1086.

HAB. Swampy ground in the south of the island.

Mr W. Ferguson, who has been examining Hermann's Herbarium in the British Museum, informs me that this plant is there called *Polygala citrata*.

2. **S. cordata**, Arn. Pugillus. 4 (322)—*S. cordata* et *S. obovata*, Wight, Illustr. 49 et 50 t. 22 B, etc.—c.p. 2906.

HAB. Similar places with the preceding.

The spikes of flowers are more compact in this species, and the calyx upon the capsules are much longer.

3. **XANTHOPHYLLUM**, Roxb.

1. **X. flavescens**, Roxb. (W. et A. Prod. i. 39, cum syn.)—c.p. 1244.
 HAB. South of the island, at no great elevation.

XX. TAMARISCINEÆ.

1. **TRICHAURUS** (Arn. MSS), W. et A.

1. **T. ericoides**, Arn. MSS (W. et A. Prod. i. 40, cum syn; R. W. Illust. ¹⁴⁴ B)—c.p. 1254
 HAB. Negombo, Puttam, and Mooltivoë, *Gardner*.

XXI. ELATINEÆ.

1. **BERGIA**, Linn.

1. **B. verticillata**, W. et A. Prod. i. 41, cum syn.—c.p. 3551.
 HAB. Swampy places in the Batticaloa District
 2. **B. ammannoides**, Roxb.—*Elatine* (*Bergia*) *ammannoides*, W. et A. Prod. i. 41, cum syn.; Wight, Illust. p. 54 t. 35 A.—c.p. 1543
 HAB. North of the island, *Gardner*.

XXII. SESUVIACEÆ.

1. **TRIANTHEMA**, Sauv.

1. **T. crystallina**, Vahl, (W. et Prod. i. 355, cum syn.)—c.p. 3552
 HAB. Batticaloa District
 2. **T. obcordata**, Roxb. (W. et A. Prod. i. 355, cum syn.; R. W. Icon. t. 288)—c.p. 1102
 HAB. Very common on the seacoast of the island.
 3. **T. decandra**, Lin. (W. et A., l.c. cum syn; Wight, Icon. t. 296)
 —c.p. 1104
 HAB. East of the island, *Gardner*; Colombo, etc. Nom. vulg. "Suarana" Used as a medicine.

2. **SESUVIUM**, Linn

1. **S. repens**, Rottb. (W. et A. Prod. i. 361, cum syn.)—c.p. 1098.
 HAB. Trincomalee, *Gardner*

XXIII. PORTULACÆÆ.

1. **PORTULACA**, Tourn.

1. **P. oleracea**, Lin. (W. et A. Prod. i. 356, cum syn.)—c.p. 1103.
 HAB. Abundant throughout the island. Nom. vulg. "Genda-kola."
 2. **P. quadrifida**, Lin. (W. et A., l.c. cum syn.)—c.p. 1100.
 HAB. Very abundant. Nom. vulg. "Heen-genda-kola."

3. **P. suffruticosa**, R. W. (W. et A., l. c.)—c.p. 1101.

HAB. Damboul, *Gardner*.

XXIV. CARYOPHYLLACEÆ.

1. STELLARIA, Linn.

1. **S. drymarioides**, Thw.; *foliis* rotundatis, apiculatis, basi in petio-
lum angustatis, nervo intramarginali conspicuo minutis; *cymis* termi-
nalibus, subdichotomis; *floribus* post anthesin cernuis.—c.p. 400.

HAB. Hapootelle Pass, at an elevation of about 4000 feet. April,
1856.

Caulis tetragonus, procumbens, elongatus, radicans, *ramulis* erectis. *Folia* $\frac{1}{2}$ -1 $\frac{1}{2}$
poll longa et æquilata, sparse pilosa, *petiolo* 1-4 lin longo. *Cyme* viscoso-tomen-
tosæ, ramis sæpe elongatis. *Pedicelli* flores subæquant. *Sepala* 5, ovata, sub-
acuta, *petalis* albis divaricato-bifidis duplo longiora. *Discus* annularis parvus, 5-
lobus, *lobis* rotundatis, cum petalis alternantibus.

2. **S. media**, Sm —c.p. 3090.

HAB. Newera Elia, probably introduced.

2. CERASTIUM, Linn.

1. **C. Indicum**, W. et A. Prod. i. 43.—c.p. 2957.

HAB. Newera Elia, Horton Plains, and other very elevated parts of
the island.

In Ceylon specimens the leaves are lanceolate, and the flowers are of about equal
length with their pedicels.

3. MOLLUGO, Linn.

1. **M. nudicaulis**, Linn. (W. et A. Prod. i. 43, cum syn.)—c.p.
2809.

HAB. Colombo, etc.

2. **M. pentaphylla**, Linn, including *M. triphylla*, Linn.; W. et A.,
l. c.—c.p. 1096.

HAB. Common in the warmer parts of the island.

3. **M. stricta**, Lin (W. et A. Prod. i. 44, cum syn.)—c.p. 1097.

HAB. Not uncommon with the preceding.

4. **M. cerviana**, Ser. (W. et A., l. c. cum syn.)—c.p. 1092.

HAB. Common in hot, sandy places. Nom. vulg. "Pat-paadagan"
Used as a medicine in fevers.

5. **M. disticha**, Ser. (W. et A., l. c. cum syn.)—c.p. 1094.

HAB. Near the seacoast; not uncommon.

6. **M. Spergula**, Linn. (W. et A., l. c. cum syn.)—c.p. 1095.

HAB. Common in the warmer parts of the island.

4. GLINUS, Linn.

1. **G. dictamnoides**, Linn. (W. et A. Prod. i. 362)—c.p. 2937.

HAB. Not uncommon in the hot, drier parts of the island.

I have found ten stamens in all the Ceylon specimens I have examined.

XXV. PARONYCHIACEÆ.

1. POLYCARPÆA, Lam.

1. **P. corymbosa**, Lam (W et A Prod. i. 358, cum syn ; R W Icon. t. 712.)—c.p. 2383

HAB. Not uncommon in the drier parts of the island, up to an elevation of 4000 feet

2 HAPALOSIA, Wall

1. **H. Lœfflingiæ**, Wall (W et A Prod. i. 358, cum syn)—c.p. 1090.

HAB. Warm, drier parts of the island

3 DRYMARIA, Willd

1. **D. cordata**, Willd (W et A Prod. i. 359, cum syn)—c.p. 1091

HAB. Central Province, up to an elevation of 4000 feet

XXVI LINEÆ

1 LINUM, Linn

1. **L. Mysorensæ**, Heyne, (W et A Prod. i. 134, cum syn)—c.p. 3127

HAB. Abundant between Newera Ellia and Badulla, at an elevation of from 4000 to 6000 feet

Folia trinervia, acuta. *Petala* pallide flava, rotundata, obtusa. *Filamenta* a supra-medio dilatata, basi coalita, dentibus intermedus nullis.

XXVII HUGONIACEÆ

1 HUGONIA, Linn

1. **H. Mystax**, Linn (W et A Prod. i. 72, cum syn, Wight, Illust. 79. t. 32.)—c.p. 1185.

HAB. Not uncommon in the warmer parts of the island. Nom. vulg. "Boogatteya"

2. **H. ferruginea**, W et A, l.c.—c.p. 1187

HAB. Hot, drier parts of the island

XXVIII MALVACEÆ

1 URENA, Linn

1. **U. lobata**, Linn (W et A Prod. i. 16, cum syn.)—c.p. 3328.

HAB. Very common throughout the island. Nom. vulg. "Pattu-appelle." Liber used for cordage

2. **U. sinuata**, Linn. (W et A, l.c. cum syn.)—c.p. 1129.

HAB. Equally common with the preceding. Nom. vulg. "Heen-appelle"

2. PAVONIA, Cav.

- 1.
- P. odorata*
- , Willd. (W. et A. Prod. i. 47, cum syn.)—c.p. 1125

HAB. Hot, drier parts of the island, up to an elevation of 1500 feet.

- 2.
- P. Zeylanica*
- , Cav. (W. et A., l. c. cum syn.)

I have not met with a plant corresponding quite with the description given of this, and suspect it is but a form of the preceding, which I find with the leaves of the involucre varying in number from eleven to fifteen. Its flowers, when fresh, are either white or very pale red, becoming of a dull reddish colour when dry.

3 HIBISCUS, Linn

- 1.
- H. Surattensis*
- , Linn (W. et A. Prod. i. 48, cum syn.)—c.p. 1118

HAB. Very common in the hotter parts of the island. Nom. vulg. "Naapiritta."

- 2.
- H. furcatus*
- , Roxb. (W. et A., l. c. cum syn.)—c.p. 727.

HAB. Very common up to an elevation of 2000 feet. Nom. vulg. "Heen-naapiritta."

- 3.
- H. Lampas*
- , Cav. (W. et A. Prod. i. 48, cum syn.)—c.p. 3555.

HAB. Near Nilgalla, in the Badalla District.

- 4.
- H. panduriformis*
- , Burm. (W. et A. Prod. i. 50, cum syn.)—c.p. 3528

HAB. Borders of a tank, at Toonkmy, in the Atakalan Corle. September, 1857.

- 5.
- H. vitifolius*
- , Linn (W. et A., l. c. cum syn.)—c.p. 1122

HAB. Not uncommon, up to an elevation of 3000 feet.

- 6.
- H. eriocarpus*
- , DC. (W. et A., l. c. cum syn.)—c.p. 1119.

HAB. In the hot, drier parts of the island, up to an elevation of 1500 feet.

- 7.
- H. micranthus*
- , Linn (W. et A. Prod. i. 51, cum syn.)—c.p. 1126

HAB. Hot, drier parts of the island, very abundant.

1 PARITIUM, Ad. Juss.

- 1.
- P. tiliaceum*
- , Ad. Juss. (W. et A. Prod. i. 52, cum syn.)—c.p. 1120

HAB. Not uncommon up to an elevation of 2000 feet. Nom. vulg. "Bellipatta." The fiber is used by the Cinghalese for rough ropes.

5 ABELMOSCHUS, Med.

Nom. vulg. "kapookanissa."

- 1.
- A. angulosus*
- , Wall. (W. et A. Prod. i. 53, cum syn.).
- involucello*
- (calyce.
- W. et A.*
-) subsistente;
- calyce*
- membranaceo, tenero, spatheiformi, cum corolla deciduo.

Var. *a. grandiflorus*, *petiolis* scabris, nec hispidis, *corolla* majore, flava, *seminibus* subpyriformibus—c.p. 2567.

Var. *β. purpureus*, *petiolis* pilis rigidis hispidis; *corolla* purpurea, venis pallidioribus; *seminibus* globosis—c.p. 1117.

HAB. Var. *a.* Not uncommon in the Central Province, up to an elevation of 4000 feet. Var. *β.* Newera Ellia.

There appears to have been some misconception with regard to the involucrel and calyx of this species. The true calyx is of a very tender membranaceous structure, consisting of five sepals united at their edges into the form of a spathe, which falls at the same time with the corolla.

Vars α and β may possibly prove to be specifically distinct.

2. **A. moschatus**, Mœnch. (W. et A. Prod. i. 53, cum syn.)—c. p. 726

HAB. South of the island, not uncommon.

3. **A. ficulneus**, W. et A., l. c.—c. p. 1157.

HAB. Colombo, *Moon*. Borders of the Mimry Tank.

6 THESPESIA, Corr.

1. **T. populnea**, Corr. (W. et A. Prod. i. 54, cum syn.)—c. p. 1121.

HAB. Colombo, *Moon*. Calpentyne, *Gardner*, near Vaveneri, in the Batticaloa District, apparently wild. Much used for planting as an ornamental and useful tree. Nom. vulg. "Sooreya-gass."

7 LAGUNEA, Cav.

1. **L. lobata**, Willd. (W. et A. Prod. i. 55, cum syn.)—c. p. 67.

HAB. Very abundant in the hot, drier parts of the island. Galagams, *Gardner*.

8. ABUTILON, Dill.

Nom. vulg. "Anoda."

1. **A. polyandrum**, W. et A., l. c. cum syn.—c. p. 1186.

HAB. I have not met with this in a wild state, and there is no record of where the herbarium specimen was found.

2. **A. Indicum**, G. Don, (W. et A., Prod. i. 56, cum syn.)—c. p. 1133.

HAB. Not uncommon.

3. **A. Asiaticum**, G. Don, (W. et A., l. c. cum syn.)—c. p. 1135.

HAB. Not uncommon.

4. **A. graveolens**, W. et A., l. c. cum syn.—c. p. 1134.

HAB. Common.

5. **A. tomentosum**, W. et A., l. c. cum syn.—c. p. 3529.

HAB. Near Taugalle, Sept. 1857.

9. WISSADULA, Medilo.

1. **W. periplocifolia**, Presl.—*Abutilon periplocifolium*, G. Don, W. et A. Prod. i. 55, cum syn.—c. p. 1132.

HAB. Very common in the south of the island.

10. SIDA, Linn.

Nom. vulg. "Babilla."

1. **S. acuta**, Burm. (W. et A. Prod. i. 57, cum syn.; Wight, Icon t. 95)—c. p. 2760.

HAB. Hot, drier parts of the island.

2. ***S. rhombifolia***, Linn. (DC. Prod. i. 462.)—c.p. 1131 (1130).
HAB. Very abundant.
3. ***S. retusa***, Linn. (W. et A. Prod. i. 58, cum syn.)—c.p. 3117.
HAB. Very common. Nom. vulg. "Kotekau-babilla." This is used as a medicine by the Cinghalese.
4. ***S. alba***, Linn. (W. et A., l. c. cum syn.)—c.p. 3553
HAB. Vaveneri, in the Batticaloa District.
5. ***S. cordifolia***, Linn. (W. et A., l. c. cum syn.)—c.p. 259.
HAB. Hot, drier parts of the island.
6. ***S. Mysorensis***, Herb. Madr. (W. et A. Prod. i. 59, cum syn.)—c.p. 1123.
HAB. Not uncommon in the warmer parts of the island.
7. ***S. humilis***, Willd. (W. et A., l. c. cum syn.)—c.p. 1124.
HAB. Very abundant

XXIX STERCULIACEÆ

1. ADANSONIA, Linn

1. ***A. digitata***, Linn (W. et A. Prod. i. 61, cum syn.)—c.p. 1141
HAB. Naturalized in the north of the island

2 SALMALIA, Sch et End.

- 1 ***S. Malabarica***, Sch et End (Walp. Rep. i. 330, cum syn., Wight. Illust. p. 72, t. 29.)—c.p. 515
HAB. Common in the warmer parts of the island. Nom. vulg. "Katoo-imbool-gass"

3. ERIODENDRON, DC

- 1 ***E. orientale***, Steud. Nom. 587.—*E. anfractuosum*, DC., W. et A., l. c. cum syn., Wight, Icon. t. 400.—c.p. 1138.
HAB. Very common, up to an elevation of 2000 feet. Nom. vulg. "Imbool-gass"

4 CULLENIA, Wight.

1. ***C. excelsa***, Wight, Icon. Pl. Ind. Orient. t. 1761-2.—*Durio Zeylanicus*, Gardner, in Calc. Journ. of Nat. Hist. vol. viii.—c.p. 734
HAB. Common in the Central Province, at an elevation of from 2000 to 5000 feet. Nom. vulg. "Kattoo-bodde, Kattooheruleya."

5 HELICTERES, Linn

1. ***H. Isora***, Linn (W. et A. Prod. i. 60, cum syn.; Wight, Icon. t. 180.)—c.p. 1137.
HAB. Common in the hotter parts of the island. Nom. vulg. "Ieeneya-gass"

6 HERITIERA, Ait.

1. ***H. littoralis***, Ait. (W. et A. Prod. i. 63, cum syn.)—c.p. 1143.

HAB. South of the island, not uncommon. Nom. vulg. "Attoona."

7 STERCULIA, Lin.

1. **S. Balanghas**, Linn. (W. et A. Prod. i 62, cum syn.; Wight, Illust. p. 78 t. 30.)—c p. 1112.

HAB. Hotter parts of the island, common.

2. **S. guttata**, Roxb. (W. et A. Prod. i 62, cum syn.; Wight's Leon. t. 487.)—c p. 2723.

HAB. Ambagamowa District, at no great elevation.

3. **S. urens**, Roxb. (W. et A. Prod. i 63, cum syn.)—c p. 2858.

HAB. Hot, drier parts of the island, not uncommon.

4. **S. foetida**, Linn. (W. et A. l. c. cum syn.; Wight, Leon. t. 181 and 364.)—c p. 1140.

HAB. Very common in the warmer parts of the island. Nom. vulg. "Telemboo." The seeds are eaten by the Cinghalese.

8 PTERYGOTA, Endl.

1. **P. alata**, Br. in Brown et Bennett, Pl. Jav. Rar. 231—*P. Rorburghii*, Sch. et Endl. Walp. Rep. v 103. *Sterculia alata*, Roxb. Cor. iii p. 84 t. 287—c p. 2063.

HAB. Banks of the Mahawelliganga, at Haragama.

9 FIRMIANA, Marsch.

1. **F. colorata**, Br. l. c. 235, cum syn.—c p. 2566.

HAB. Hot, drier parts of the island.

XXX BYTTNERIACEÆ

1 GUAZUMA, Plum.

1. **G. tomentosa**, H.B.K. (W. et A. Prod. i 64, Wight, Illust. 78 t. 31.)—c p. 1114.

HAB. Jaffna. *Gardner*.

2 Gen. Nov. PITYRANTHE, Thw.

Calyx unccolatus, 3-4-lobatus. *Petalum* 5, aequalia, subnuciformia. *Stamina* fertilia 15, ternatum cum alteris 5 sterilibus acutis spathulatis aequalibus alternantibus; filamentis liberis vel uno basi coherentibus; antheris adnatis, loculis divaricatis. *Ovarium* sessile, 5-loculare, loculis 2-ovulatis, ovulis superpositis, stylis 5, arcu coactis, stigmatibus minutis, simplicibus. *Capsula* inflata, turbinata, sapissime 1-sperma, loculicide dehiscens.

Genus *Kleanthoria* affine, sed calyce unccolato, petalis aequalibus, filamentis subliberis et ovario sessili differt.

1. **P. verrucosa**, Thw. — *Kleanthoria verrucosa*, *Gardn.* MS—c p. 1141.

HAB. Abundant in the Batticaloa District, Jaffna and Trincomalee, *Gardner*, Putlam, *A. O. Brodie, Esq.*

Arbor. *Folia* obovata crenata, basi rotundata. 3 nervia, 2-6 poll. longa, 1-3

poll. lata, superne nitida, subtus pallida, pubescentia stellari tomentosa, *petiolo* $\frac{1}{2}$ - $\frac{3}{4}$ poll longo. *Panicule* terminales, lepidotæ. *Flores* cæter 1 $\frac{1}{2}$ lin longi. *Capsule* furfuraceæ, verrucosæ. *Semina* nigra, oblonga, 2 lin. longa, minutissime reticulata, pubescentia stellari pallida decidua vestita

3. WALTHERIA, Linn.

1 **W. Indica**, Linn (W. et A. Prod. i. 67, cum syn.)—c.p. 1128.

HAB Batticaloa, *Gardner*.

4. MELOCHIA, Linn.

1 **M. corchorifolia**, Linn.—*Riddleia corchorifolia*, DC (W. et A. Prod. i. 66, cum syn.)—c.p. 1127

HAB Very abundant

5. PTEROSPERMUM, Schreb.

1 **P. suberifolium**, Lam (W. et A. Prod. i. 68, cum syn.)—c.p. 1136

HAB Common up to an elevation of 2000 feet, especially in the drier parts of the island. Nom. vulg. "Veleuge". The wood is useful for many purposes where toughness is required

6. KYDIA, Roxb

1 **K. axillaris**, Thw., *foliis* integris, ovato-lanceolatis, lævibus; *floribus* solitariis, axillaribus.—c.p. 3126

HAB Near Badulla, at an elevation of about 2000 feet.

Arbor mediocris. *Folia* 2 $\frac{1}{2}$ -4 $\frac{1}{2}$ poll longa, 1 $\frac{1}{2}$ -2 poll lata, subtus pallidiora, basi rotundata, *petiolo* 3-4 lin longo. *Involucelli* fructiferi segmenta lineari-oblonga, 1 poll longa, 3-3 $\frac{1}{2}$ lin lata. *Calyx* cupuliformis, 5-dentatus, $\frac{1}{2}$ poll. longus. *Ovarium* biloculare. *Fructus* hirsutus

This species I have only seen in fruit, and am therefore not quite certain that it is a true *Kydia*. The axillary inflorescence and the character of the foliage give it a very different aspect from that of *K. calycina*. The latter species has not, so far as I am aware, been detected wild in Ceylon though it most probably occurs so in the north of the island

7. Gen. Nov. JULOSTYLIS, Thw

Involucellum 4-phyllum, persistens. *Calyx* 5-partitus, persistens. *Corollæ* petala 5, basi coalita, subtus ad sinus plicato-appendiculata. *Tubus stamineus* cylindricus, apice dentatus, anantherus, medium versus *filamentis* 10, liseriatis, aquilongis, *monantheriferis* cinctus, basi corollæ adnatus. *Anthera* reniformes. *Orarium* biloculare, loculis 2-ovulatis; *ovulis* collateralibus, adscendentibus. *Stylus* supra medium bifidus. *Stigmata* disciformia

1. **J. angustifolia**, Thw.—*Kydia angustifolia*, Arn. Pug. Pl. Ind. Orient. 4 (322).—c.p. 1146

HAB South of the island, not uncommon

Arbor mediocris, parce ramosa. *Folia* 5-8 poll longa, 1 $\frac{1}{2}$ -3 poll lata, pubescentia stellari-hirsuta, subtus pallidiora, *petiolo* 3-5 lin longo. *Panicule* terminales, pendulæ. *Flores* $\frac{1}{2}$ poll lati. *Corolla* cupuliformis, pallida, interne dimidio inferiore rufa. *Stylus* versus apicem dense lanuginosus

The authors of this species are quite those of a Malvaceous plant, but from its near affinity with *Kydia* it must remain in the same Natural Order in which that is located

XXXI. TILIACEÆ.

SECT. *TILIEÆ*

1 CORCHORUS, Lam

- 1 *C. urticæfolius*, W. et A. Prod. i. 73, cum syn.—c. p. 2758
 HAB Trincomalee, Moon
- 2 *C. olitorius*, Lam. (W. et A., l. c. cum syn.)—c. p. 1107
 HAB Hotter parts of the island, common
3. *C. acutangulus*, Lam. (W. et A., l. c. cum syn., Wight, Icon. t. 739)—c. p. 1106
 HAB Same situations as the last, common
- 4 *C. capsularis*, Lam. (W. et A., l. c. cum syn., Wight, Icon. t. 311)—c. p. 1105
 HAB Very common

2 TRIUMFETTA, Plum

Nom. vulg. "Appala"

- 1 *T. pilosa*, Roth. (W. et A. Prod. i. 74, cum syn.)
 Var. *α*, capsularum echinis firmis, 2 lin. longis, prope basin parce pilosis, apiculo vix curvato—c. p. 2902.
 Var. *β*, capsularum echinis debilibus, 1½ lin. longis, dense longe pilosis, apiculo hamato—c. p. 730
 HAB Var. *α* Common in cultivated ground. Var. *β* Maturatte
- 2 *T. angulata*, Lam. (W. et A., l. c. cum syn., Wight, Icon. t. 320)—c. p. 2759
 HAB Common everywhere

3 GREWIA, Juss

Nom. vulg. "Caaleya"

- 1 *G. orientalis*, Lam. (W. et A. Prod. i. 76, cum syn.)—c. p. 1110, 1112, 2419, and 2997
 HAB Warmer parts of the island, up to an elevation of 1500 feet
- 2 *G. columnaris*, Sm. (W. et A., l. c. cum syn.)—c. p. 1111
 HAB Hot, drier parts of the island, not uncommon
- 3 *G. hirsuta*, Vahl. (W. et A., l. c. i. 78, cum syn.)—c. p. 3554
 HAB Open, grassy places in the east of the island
- 4 *G. helicterifolia*, Wall. MSS. (Walp. Rep. n. 799)—c. p. 1113
 HAB In similar situations with the last, and equally common.

Dr. Wight named this "*G. rotundifolia*, MSS., var. fol. obliquis acuminatis." It differs from the description of *G. helicterifolia* in the peduncles being commonly much longer than the petioles

5 *G. diplocarpa*, Thw.; folius lanceolatis, acuminatis, crenato-serratis, 3-nerviis, sublaevibus; fructibus parce strigosis, bipartitis, segmentis bilobis—c. p. 2568

HAB. Maturatte and Oova, at an elevation of about 3000 feet

Folia 3-4 poll longa, $1\frac{1}{2}$ - $1\frac{1}{2}$ lata, juniora parce hirsuta, *petiolo* 4-5 lin longo, hirsuto. *Stipulæ* parvæ, lanceolatæ, hirsutæ. *Pedunculi* solitarii, axillares, petiolis æquilongi, 3-flori *Bracteolæ* parvi *Sepala* linearia, extus cinereo-tomentosa, petalis lanceolatis acutis plus quam duplo longiora *Stigma* dilatatum, 4-lobatum.

6. **G. tiliaefolia**, Vahl. (W. et A. Prod. i. 80, cum syn.)—c. p. 621

HAB. Warmer parts of the island, common.

7 **G. Microcos**, Linn. (W. et A. Prod. i. 81, cum syn., Wight, Illust. 81. t. 33.)—c. p. 1109.

HAB. Very abundant, up to an elevation of 3000 feet

4. BERRYA, Roxb

1. **B. Ammonilla**, Roxb (W. et A. l. c. cum syn.; Wight, Illust. 82 t. 34.)—c. p. 1108.

HAB. Hot, drier parts of the island. Nom. vulg. "Hal-mililla." The wood of this fine tree is very valuable for building and other purposes.

SECT. ELEOCARPEE

5. ELÆOCARPUS, Linn

Nom. vulg. "Weraloo, Gal-weraloo"

1. **E. serratus**, Linn. (Fl. Zeyl. 206; Burm. Th. Zeyl. t. 40.)—c. p. 539 (554, 1115).

HAB. Warmer parts of the island, up to an elevation of 2000 feet.

Stamina 30-35, omnia ad valvæ exterioris apicem setis 3-4 longis rigidis patentibus instructa. *Drupa* oblonga

The fleshy exterior of the drupes of this and the following species are eaten by the Cinghalese.

2. **E. obovatus**, Arn. Pug. Pl. Ind. Or. 5 (323).—*E. coriaceus*, Hook. Ic. Plant. v. 2 t. 154—c. p. 316.

HAB. Newera Elha and other elevated parts of the island, at an elevation of from 6000 to 8000 feet

Drupa spherica, putamine ruguloso-tuberculato

3. **E. montanus**, Thw. *foliis* ovatis vel rotundatis, obtusis, denticulatis, parce hirsutis (junioribus subtus tomentosis), *venis* primariis ad axillas ramificationes divaricatasque conspicue glanduliferis, *antheris* nudis; *drupis* sphaericis.—c. p. 624 (630, 642)

HAB. In similar localities with the last

Arbor mediocris *Folia* 2-3½ poll longa, *petiolo* ½-1 poll longo *Racemi* axillares, foliis æquilongis, tomentosis

4 **E. amœnus**, Thw.; *foliis* laevibus, lanceolatis vel ovato-lanceolatis, brevi-acuminatis, obtusis, crenato-serratis, denticulatis, subtus ad nervarum primariorum axillas glanduliferis, *antheris* nudis; *drupis* sphaericis—c. p. 2587 and 2651 (c. p. 2524)

HAB. Central Province, up to an elevation of 1000 feet.

Arbor mediocris *Gemmæ* pilosæ *Folia* 2-4 poll longa, ¾-2 poll lata, *petiolo* 4-8 lin longo *Racemi* numerosi, parce pilosi, c. foliorum delapsorum axillis, foliis breviores

Some specimens (c. p. 2524) in the herbarium are somewhat different in appear-

ance, but they are not sufficiently perfect to enable me to determine whether they are really distinct from or are a mere state of the present species.

5. *E. subvillosus*, Arn. Pug. 5 (323).—*E. pubescens*, Hooker, Ic. Pl. ii. t. 155. *E. integrifolius*, Moon's Cat.—c.p. 704.

HAB. Saffragam District, up to an elevation of 2000 feet.

Drupa oblonga, putamine tuberculato, apice acuto

6. MONOCERA, Jack.

1. *M. glandulifera*, Hook. (Wight, Illust. p. 84.)—c.p. 675 (2476).

HAB. Central Province; not uncommon, at an elevation of from 4000 to 6000 feet.

2. *M. Walkeri*, Wight, l. c.—? *M. Ceylanica*, Arn. Pug. p. 5 (323)—c.p. 8 and 166 (172, 121).

HAB. Saffragam District, not very common, at an elevation of about 5000 feet.

I suspect this must be Dr Arnott's *M. Ceylanica*, which, having been described, as he states, from a single specimen, may not indicate the typical character of the species

XXXII. DIPTEROCARPEÆ.

1. DIPTEROCARPUS, Gærtner.

1. *D. Zeylanicus*, Thw.; *foliis* magnis, ovatis vel oblongis, breviusculatis, glabris, petiolo longo costaque leprosis; *gemma* villosis; *calycis fructiferi* tubo urceolato, 5-costato.—c.p. 1921.

HAB. Abundant, up to an elevation of 3000 feet. Nom. vulg. "Hora-gass."

Arbor ingens. *Racemi* axillares, solitarii, prope basin bifidi, 6-12-flori, ad ramulorum apices aggregati, leprosi. *Pedicelli* tubo calycis campanulato paulo breviores.

The fruit of this species closely resembles Gærtner's *D. costatus* (De Fruct. tab. 187) as regards the size and form of the segments of the enlarged calyx, but differs from it essentially in the constriction beneath these. From *D. levis*, Hamilton, the only other species with which it can be confounded, its costate or angled fruit would seem sufficiently to distinguish it.

A gum-resin and wood-oil are obtained from this and the species following.

2. *D. hispidus*, Thw., *foliis* maximis, oblongis, breviusculatis, subcordatis, superne ad costam et subtus ad costam venas primariasque hirsutis; *calycis fructiferi* tubo sphaerico vel subpyriformi, pedicellato, leproso, apice 5-angulo, contracto.—c.p. 2903. (c.p. 3405 *in parte*.)

HAB. Saffragam District, at no great elevation. Nom. vulg. "Boo-hora-gass."

This species is well distinguished by its large hispid leaves, one of which in my collection, from a young tree, is 19 inches long and 9 inches wide, with a petiole 2½ inches long. The enlarged calyx-lobes are 6-7 inches long.

3. *D. oblongifolius*, Thw.; *foliis* oblongis, breviusculatis, basi rotundatis, superne ad costam et subtus ad costam venas primariasque hirsutis; *ramis junioribus*, *gemma* petiolisque pilis rigidis nitentibus subpatentibus hispidis, *racemis* supra-axillaribus, solitariis, simplicibus,

2-4-floris, hispido-leprosis; *calyce* incano-leproso, 5-angulato, in *pedicello* brevi desinente.—C.P. 3405.

HAB. Near Ratnapoora, April, 1855.

Arbor ingens. *Folia* 5-7 poll longa, 2½-4 poll lata, *petiolo* 1-2 poll longo

4. **D. scabridus**, Thw.; *foliis* linear-oblongis, brevi-acuminatis, basi parce angustatis, superne glabris, subtus pubescentia stellari sparsu scabridis, *costa* subtus *petioloque* pilis rigidis adpressis hirsutis; *calycis fructiferi* tubo parce leproso, subsphærico, angulis 5 singulis in membranam undulatam pedicello brevi attingentem productis.—C.P. 2692. (C.P. 3406, in parte.)

HAB. Near Ratnapoora, September, 1855.

Arbor ingens. *Folia* circiter 7 poll longa, 2½ lata, *petiolo* ½ poll longo. *Calycis fructiferi* laciniae majores 3½-4½ poll longæ, ¾-1 poll latæ

The adpressed pubescence and the shape of the leaves distinguish this species.

5. **D. glandulosus**, Thw.; *foliis* ovatis, acuminatis, basi rotundatis, superne lævibus, *costa* venisque primariis hirsutis, subtus pilis minutis coloratis conspersis, *ramis junioribus*, *gemmis petiolisque* piloso-leprosis; *racemis* axillaribus, solitariis, 2-3-floris, leprosis, *calyce* 5-angulato, in pedicello brevi desinente, leproso, *calycis fructiferi* tubo subsphærico, angulis in membranam medio latissimam pedicello tenui sæpissime non attingentem productis —C.P. 2590.

HAB. Saffragam and Ambaganowa Districts, at no great elevation. Nom. vulg. "Dorana-gass."

Arbor ingens. *Folia* 4-6 poll longa, 2-2½ poll lata, *petiolo* 6-8 lin longo. *Calycis fructiferi* laciniae majores 3-4 poll longæ, 7-8 lin. latæ

This species is easily recognized by the glandular pubescence on the under side of its leaves, which is at first pale-yellow, then red, and in the old leaves nearly black.

6. **D. insignis**, Thw.; *foliis* ovatis, acuminatis, lævibus, basi rotundatis, subtus *costa* venisque primariis hirsutis, *ramis junioribus*, *gemmis petiolisque* pubescentibus, *racemis* supra-axillaribus, solitariis, 3-5-floris, basi pubescentibus, apicem versus lævibus; *pedicellis* subnullis; *calyce* 5-angulato, angulis per totam longitudinem late membranaceo-alatis —C.P. 3406.

HAB. Saffragam District, April, 1855.

Arbor ingens. *Folia* 4½-5½ poll longa, 2-2½ poll lata, *petiolo* 7-9 lin longo

This species is easily distinguishable from the others by its smooth, longitudinally 5-bordered calyx, subsessile upon the rachis of the raceme

D. turbatus, Roxb., cultivated in Ceylon, is C.P. 2398

2. DOONA, Thw.

Hook Journ. of Bot. vol. iv. (1852) p. 7

Stamina 15, biserialia. *Embryo* cotyledonibus foliaceis valde inæqualibus; harum maxima inter stratum oleoso-albuminosum contorto-convoluta, in germinatione inclusa; altera brevissima, in germinatione sæpe emergente.

1. **D. Zeylanica**, Thw. l.c. vol. iii. t. 12: *foliis* lanceolatis vel ovato-lanceolatis, acuminatis, basi angustatis, venis inconspicuis, *pedicellis* calyce longioribus.—C.P. 2423.

HAB. Central Province, up to an elevation of 4000 feet. Nom. vulg. "Doon-gass."

A large quantity of colourless gum-resin exudes from the trunk and branches of this fine tree, which, when dissolved in spirits of wine or turpentine, makes an excellent varnish.

2. *D. affinis*, Thw.; *foliis* lanceolatis vel linear-lanceolatis, longe acumminatis, basi rotundatis, venis subineconspicuis; *pedicellis* calyce longioribus.—C.P. 3409.

HAB. Between Ratnapoora and Gallo, at no great elevation.

Arbor ingens. *Folia* 2-3 poll longa (acumme $\frac{1}{2}$ lin longo), 9-11 lin lata, *petiolo* circiter $\frac{1}{2}$ lin. longo

(Closely allied to the preceding, but the leaves are larger and differently shaped, and the petioles much stouter)

3. *D. nervosa*, Thw.; *foliis* ovatis, ovato-lanceolatis vel lanceolatis, longe acumminatis, opacis, venis venulisque prominulis, basi rotundatis, *pedicellis* calyce subæquilongis; *calycis fructiferi* lacinus majoribus spatulato-dilatatis.—C.P. 3410

HAB. Ekualagodde, near Ratnapoora, April, 1855.

Arbor ingens. *Folia* 3-4 poll. longa (acumme $\frac{1}{2}$ poll longo), $1\frac{1}{2}$ -1 $\frac{1}{2}$ lata.

4. *D. trapezifolia*, Thw.; *foliis* trapezoidico-lanceolatis, acumminatis, basi rotundatis, superne minute reticulatis, subtus venis inconspicuis. *pedicellis* calyce æquilongis; *calycis fructiferi* lacinis majoribus spatulato-linearibus.—C.P. 3341

HAB. Central and southern parts of the island, up to an elevation of 1500 feet; a common forest tree. Nom. vulg. "Tuccahualoo-gass."

Arbor ingens. *Folia* $2\frac{1}{2}$ -3 $\frac{1}{2}$ poll. longa (acumme circiter 3 lin. longo), 9-14 lin lata, *petiolo* $\frac{1}{2}$ lin. longo

5. *D. congestiflora*, Thw.; *foliis* ovato-lanceolatis, acumminatis, basi rotundatis vel subcordatis; *floribus* ad apices panicularum congestis; *pedicellis* brevissimis.—C.P. 3411.

HAB. Hmidoon and Pasdoon Corles, April, 1855. Nom. vulg. "Tinneya-gass."

Arbor ingens. *Folia* 3 $\frac{1}{2}$ -5 poll longa, $1\frac{1}{2}$ -2 poll lata, *petiolo* 1-5 lin longo

This fine species is characterized by its numerous shortly-stalked flowers collected towards the ends of the panicles. The fruit, with its enlarged calyx, closely resembles that of the preceding and following species

6. *D. Gardneri*, Thw.; *foliis* ovatis vel ovato-lanceolatis, acumminatis, basi rotundatis, longe petiolatis, *floribus* cernuis, *pedicellis* calyce brevioribus.—C.P. 1919.

HAB. Central Province, at an elevation of from 3000 to 5000 feet.

Arbor ingens. *Folia* 2-3 poll longa, $1\frac{1}{2}$ -1 $\frac{1}{2}$ lata, *petiolo* 6-7 lin longo

A very distinct and beautiful species

7. *D. cordifolia*, Thw.; *foliis* oblongis, abrupte acumminatis, cordatis, subtus nitidis, venis venulisque prominentibus.—C.P. 3340.

HAB. Pasdoon Corle and Ambagamowa, at no great elevation. Nom. vulg. "Bairaleya"

Arbor ingens. *Folia* 3-4 poll longa (acumme circiter $\frac{1}{2}$ poll longo), $1\frac{1}{2}$ -2 $\frac{1}{2}$ poll lata, *petiolo* 3-5 lin. longo

I have not yet been able to obtain the flowers of this species, which is said to produce them only once in three years. Some seeds which were given to me

were unfortunately all sown, and none reserved for the herbarium. The Cinghalese eat the ripe seeds after toasting or frying them

3. *SHOREA*, Roxb.

1. *S. oblongifolia*, Thw., *foliis* lineari-oblongis, abrupte acuminatis, basi truncato-rotundatis vel cordatis; ramis *panicula* secundifloris.—c.p. 3005.

HAB. Saffragam and other districts in the south of the island, at no great elevation.

Arbor ingens *Folia* 4-6 poll longa, $1\frac{3}{4}$ - $2\frac{1}{2}$ poll. lata, *petiolo* 6-8 lin. longo *Ramuli* juniores *petiolique*, cum *paniculis* supra-axillaribus, minute stellato-nervi *Pedicelli* brevissimi *Flores* flavi, odorati, dorso stingsi *Calyx* fructiferus minute tomentosus, laciniis sursum dilatatis *Fructus* tomentosus-incanus.

This is evidently closely allied to, if it be not a variety of, *Vatica Tumbagana*, W. and A., Wight, Icon tab 27, with which it would seem to correspond very nearly in the inflorescence and in the structure of the fruit, but the leaves are much longer compared with their width.

2. *S. ? stipularis*, Thw.; *foliis* oblongis, brevi-acuminatis, basi rotundatis vel subcordatis, longe petiolatis, laevibus; *stipulis* magnis, ovatis, subobliquis, striatis, diu persistentibus.—c.p. 3408.

HAB. Between Ratnapoora and Galle, at no great elevation.

Arbor ingens, *ramulis* teretibus *Folia* 4-6 poll longa, 2-4 poll lata, *petiolo* 12-14 lin longo *Stipule* 6-11 lin longæ, 4-7 lin latæ. *Calyces* fructiferi laciniæ sursum dilatæ, tres majores $5-5\frac{1}{2}$ poll longæ, $1\frac{1}{4}$ poll. latæ, 11-14-costatæ, duæ minores $3\frac{1}{2}-4$ poll. longæ, 5-6 lin latæ, 6-8-costatæ *Fructus* subsphæricus, apice conico acuto

I have not seen the flowers, nor have I been able to ascertain the character of the inflorescence of this fine species, but, judging from the structure of the fruit, it must be very nearly allied to this genus. The large size and persistence of the stipules form a very striking character

In the herbarium are specimens of the foliage of what appears to be another species of *Shorea* (c.p. 3407), but the description must be deferred until better materials can be collected.

4. *HOPEA*, Roxb

1. *H. discolor*, Thw.; *foliis* lanceolatis, longe acuminatis, basi rotundatis, superne laevibus, ad costam venasque primarias canaliculatis, subtus brunneo-leprosis; *paniculis* axillaribus, ramis secundifloris, *pedicellis* brevissimis.—c.p. 3125

HAB. Saffragam and Ambagamowa Districts, at no great elevation.

Arbor ingens, *ramulis* teretibus, nigro-rufis, leprosis *Folia* $2\frac{1}{2}-3\frac{1}{2}$ poll longa (acumine cunctis $\frac{1}{2}$ poll longo), 8-13 lin lata, *petiolo* 4-5 lin longo *Paniculae* solitariae vel 2-3-fasciculatae, foliis multo breviores, rufescentes, parce leprosa *Flores* flavo-rufescentes, odoratissimi *Calyces* fructiferi laciniæ majores spatulatae, $2\frac{1}{4}$ poll longæ *Fructus* subconicus, levis

The rich brown colour of the under side of the leaves well distinguishes this beautiful species.

5. *VATERIA*, Linn.

Stamina numerosa, indefinita, multiseriata, apice bifida

1. **V. Indica**, Lam. (W et A. Prod. i. 83, cum syn.; Wight, Ill. t. 36; Gartner, De Fruct. iii. 53. t. 189)—c.p. 1918

HAB. Common in the hotter parts of the island, up to an elevation of 2000 feet. Nom. vulg. "Hal-gass." A gum-resin exudes in considerable quantity from this handsome tree, and is much used by the Cinghalese for burning during some of their superstitious ceremonies.

Arbor ingens, trunko levi *Ramuli* teretes, *juniores* stellato-furfuracei *Folia* oblonga vel lineari-oblonga, apiculata, basi cordata, 6-18 poll longa, 3-6 poll lata, *petiolo* tereti, $1\frac{1}{2}$ - $2\frac{1}{2}$ poll longo, apice incrassato *Stipule* lineari-lanceolatae, dorso furfuraceae, deciduae, circiter 1 poll. longae. *Panicula* ad apicem ramorum, foliis subaequilongae, flocculoso-furfuraceae, pallide ochraceae, multiloricae *Flores* brevipedicellati, bibracteolati *Bacteolae* ovatae, acutae, $\frac{1}{2}$ lin longae *Stamina* numerosa, filamentis brevissimis, basi coeatis, *antheris* nitosis, longitudinaliter dehiscentibus, basi bi-annulatis, loculis ad apicem divergentibus, acutis *Fructus* $\frac{1}{2}$ poll longi, $2\frac{1}{2}$ -3 poll. lati.

Blume, in his Mus Bot Lugd. Bat. ii. 29, makes two species of the Lannean *Vateria Indica*, reserving this name for the Ceylon plant, and calling the Peninsular one *V. Malabarica*. I have no means of determining whether this view is correct, but in order to assist in clearing the matter of doubt, I have given above a pretty full description of the Ceylon plant.

The figure of this species in Dr Wight's Illust. tab. 36 is not satisfactory. Gartner's figure of the fruit is very characteristic, though it is rather smaller than ordinary specimens.

6 ISAUXIS, Arn.

Stamina 15, biserialia *Calyx* fructifer multum auctus

1. **I. Roxburghiana**, Wight, Illust. p. 88; Icon. Pl. Ind. Or. t. 26—c.p. 3416.

HAB. South of the island, at no great elevation. Nom. vulg. "Mandora-gass." This tree yields a considerable quantity of gum-resin.

Anthere planae, obtusae, connectivo in apiculum brevem producto *Calyx* fructifer basi depressus, lacinus 5-nervus *Fructus* 3-sulcatus, apice depresso.

I have little doubt of this being Dr Wight's plant, though there is a slight discrepancy between my specimens and the figure in the 'Icones;' but this is most likely due to a little want of accuracy on the part of the draftsman.

7 STEMONOPORUS, Thw.

Hook Journ. of Bot. vol. vi (1851) p. 67

Stamina 15, biserialia, *antheris* apice per laterum involucentem tubulatis. *Calyx* fructifer non auctus.

SECT. 1.—*Inflorescentia paniculata*

1. **S. Wightii**, Thw.; *foliis* oblongis vel lineari-oblongis, apiculatis, basi rotundatis vel subcuneatis, subtus scabridis, longe petiolatis, *antheris* brevi-apiculatis—*S. macrophyllus*, Thw. MSS. in Herb. Hook. ? *Vateria* Ceylanica, Wight, Illust. p. 88.—c.p. 3115

HAB. In forests between Galle and Ratnapoora, and at Palmadoolla, near the latter place.

Arbor ingens *Folia* 5-12 poll longa, 3-6 poll. lata, *venis* primariis circiter 20, *petiolo* $1\frac{1}{2}$ -3 poll longo *Panicula* foliis multo brevioris

2. **S. Gardneri**, Thw. l. c. tab. 2 A.; *foliis* ovato-acuminatis, basi rotundatis vel subcordatis.—c.p. 1920.

HAB. Rambodde, *Gardner*; near Adam's Peak, at an elevation of about 5000 feet.

Arbor magna. *Folia* 3-5 poll longa, $1\frac{1}{2}$ - $2\frac{1}{2}$ poll. lata, *venis* *primarius* circiter 10, *petiolo* $\frac{1}{2}$ -1 poll. longo. *Panicula* numerosæ ad apices ramulorum.

Sect. 2.—*Floribus paucis, racemosis vel solitariis; pedunculis pedicellisque brevibus.*

3. **S. affinis**, Thw. l. c.; *foliis* ovato-oblongis, acuminatis, basi rotundatis; *pedunculis* sæpissime 1-floris.—c.p. 2130.

HAB. Hunasgrira District, at an elevation of about 4000 feet.

Arbor magna. *Folia* 3-4½ poll. longa (acumine circiter $\frac{1}{2}$ poll. longo), $1\frac{1}{2}$ - $2\frac{1}{2}$ poll. lata, *venis* *primarius* circiter 8, *petiolo* 6-8 lin. longo.

4. **S. lanceolatus**, Thw. l. c.; *foliis* lanceolatis vel oblongo-lanceolatis, acuminatis, basi cuneatis, superne glabris, venis prominentibus reticulatis, subtus scabridis; *pedunculis* sæpissime 1-floris.—c.p. 2658.

HAB. Near Ratnapoora, at no great elevation.

Arbor parva. *Folia* $4\frac{1}{2}$ - $8\frac{1}{2}$ poll. longa (acumine 4-8 lin. longo), $1\frac{1}{2}$ -3 poll. lata, *venis* *primarius* circiter 8, *petiolo* 5-7 lin. longo.

5. **S. canaliculatus**, Thw., *foliis* oblongis, lanceolatis vel linearilanceolatis, plus minus abrupte acuminatis, basi rotundatis vel subcuneatis, superne ad costam canaliculatis, subtus scabridis lævibusve; *pedunculis* sæpissime 1-floris.—c.p. 3413.

HAB. Hindoon and Reigam Corles, at no great elevation.

Arbor medioeris. *Folia* 4-6 poll longa (acumine circiter $\frac{1}{2}$ poll longo), $1\frac{1}{2}$ - $2\frac{1}{2}$ lata, *venis* *primarius* circiter 12, *petiolo* $\frac{1}{2}$ - $1\frac{1}{2}$ poll. longo, apicem versus incrassato. *Fructus* $1\frac{1}{2}$ poll in diam.

This bears considerable resemblance to the species preceding and following it, but its canaliculated leaves distinguish it from both.

6. **S. petiolaris**, Thw; *foliis* linearilanceolatis, abrupte acuminatis, basi rotundatis vel subcuneatis, superne lævibus, subtus scabridis lævibusve, longe petiolatis; *pedunculis* 1-3-floris.—c.p. 3151.

HAB. Kittool Galle, at no great elevation.

Arbor medioeris. *Folia* 6-10 poll longa (acumine $\frac{1}{2}$ - $\frac{3}{4}$ poll. longo), 2- $2\frac{3}{4}$ poll. lata, *venis* *primarius* circiter 12, *petiolo* 1-3 poll longo, apicem versus incrassato.

7. **S. rigidus**, Thw. l. c; *foliis* rigidissimis, scabridis, oblongis, apice rotundatis vel subapiculatis, basi cuneatis vel cuneato-rotundatis; *pedunculis* sæpissime 1-floris.—c.p. 2645.

HAB. Ambagamowa District, at an elevation of about 3000 feet.

Arbor magna. *Folia* $3\frac{1}{2}$ - $5\frac{1}{2}$ poll. longa, $1\frac{1}{2}$ - $2\frac{1}{4}$ lata, *venis* *primarius* circiter 9, *petiolo* 6-8 lin. longo.

8. **S. oblongifolius**, Thw. l. c.; *foliis* lævibus, oblongis, subacuminatis, obtusis, basi rotundatis; *pedunculis* 1-4-floris.—c.p. 2646.

HAB. Ambagamowa District, at an elevation of about 4000 feet.

Arbor magna. *Folia* 4- $6\frac{1}{2}$ poll. longa, $1\frac{1}{2}$ - $2\frac{1}{2}$ lata, *venis* *primarius* circiter 8, *petiolo* 4-6 lin. longo.

9. **S. reticulatus**, Thw.; *foliis* oblongis vel oblongo-lanceolatis, longe acuminatis, basi rotundatis, superne nitidis, subtus opacis inter venas primarias reticulato- nec parallelo-venosis, longe petiolatis, *pedunculis* sæpissime 1-floris.—c.p. 3414.

HAB. Hinidoon Corle, at an elevation of about 1000 feet.

Arbor mediocris. *Folia* $2\frac{1}{2}$ -5 poll. longa (acumine $\frac{1}{2}$ -1 poll. longo), $1\frac{1}{2}$ -2 $\frac{1}{4}$ lata, *venis* primariis circiter 8, *petiolo* 7-15 lin. longo. *Fructus* rotundatus, apice parce acumiuatus, $1\frac{1}{2}$ poll. in diam.

10. **S. nitidus**, Thw., *foliis* ovatis vel ovato-lanceolatis, acuminatis, basi rotundatis vel subcuneatis, utrinque nitidis, subtus reticulatis; *pedunculis* 1-floris.—*S. lucidus*, Thw. MSS. in Herb. Hook.—c.p. 3483.

HAB. Pasdoon Corle, at no great elevation.

Arbor mediocris. *Folia* $2\frac{1}{2}$ -3 $\frac{1}{2}$ poll. longa (acumine 3-6 lin. longo), 8-13 lin. lata, *venis* primariis circiter 6, *petiolo* 3-4 lin. longo.

Closely allied to but perfectly distinct from the preceding.

11. **S. ? Moonii**, Thw.; *foliis* anguste lanceolatis, basi cuneatis, superne levibus, subtus ad costam venas primariasque, cum *petiolo* teretibus, pilosis; *stipulis* longis, linearilanceolatis, rigidis, persistentibus; *pedunculis* 1-floris, in foliorum delapsorum axillis inter stipulas persistentes.—c.p. 1792.

HAB. Maturatte?, Moon.

Folia 6-10 poll. longa, 1-2 poll. lata, *petiolo* circiter 1 poll. longo. *Stipulae* 8-10 lin. longae.

This interesting species is so unlike in general appearance those that precede it in this genus, that it was with some surprise I found, upon an analysis of an unopened flower, that it corresponded with them in the number, structure, and arrangement of the stamens, and in the external characters of the ovary and style. There are only two indifferent specimens in the herbarium, and one of these without flowers, collected by Mr. Moon many years ago, so that I have not materials for such a critical examination of the plant as would be desirable.

8. MONOPORANDRA, Thw.

Hook. Journ. of Bot. vol vi (1854) p. 69.

Stamina 5, *antheris* apice per laterum involuptionem tubulatis. *Ovarium* 2-loculare.

1. **M. cordifolia**, Thw. l.c.; *foliis* ovatis vel oblongis, longe acuminatis, basi cordatis vel rotundatis, superne costa et saepissime venis primariis depressis, subtus venis secundariis parallelis; *paniculis* multifloris.—c.p. 2647.

HAB. Ambagamowa and Saffragam Districts, at an elevation of about 3000 feet.

Arbor mediocris, ramosissima. *Folia* 2-4 $\frac{1}{2}$ poll. longa (acumine $\frac{1}{2}$ -1 poll. longo), 1-2 $\frac{1}{4}$ poll. lata, *petiolo* 4-11 lin. longo.

2. **M. elegans**, Thw. l.c.; *foliis* ovatis vel oblongis, longe acuminatis, basi rotundatis, superne ad costam depressis, venis prominentibus, subtus inter venas primarias reticulato-venosis; *pedunculis* paucifloris.—c.p. 371.

HAB. Saffragam District, at an elevation of about 2000 feet.

Arbor mediocris, ramosissima. *Folia* $1\frac{1}{2}$ -2 $\frac{1}{2}$ poll. longa (acumine 4-6 lin. longo), 6-10 lin. lata, *petiolo* 2-5 lin. longo.

3. **M. lancifolia**, Thw.; *foliis* lanceolatis, valde acuminatis, basi rotundatis, superne costa venisque prominentibus; *pedunculis* paucifloris.—c.p. 3412.

HAB. Hellessee, in the Pasdoon Corle, at no great elevation. April, 1855.

Arbor parva, ramosissima. *Folia* $2\frac{1}{2}$ – $3\frac{1}{2}$ poll. longa (acumine 4–8 lin. longo), 7–11 lin. lata, *petiolo* 3–4 lin. longo.

XXXIII. TERNSTROEMIACEÆ

1. CLEYERA, Thunb.

1. *C. gymnanthera*, W. et A. Prod. 1. p. 87.—C.P. 778 (779).

HAB. Common in forests of the Central Province, at an elevation of 4000 feet and upwards.

2. *C. emarginata*, Gard. in Calc. Journ. of Nat. Hist. vol. vii. p. 447.—C.P. 782.

HAB. Not uncommon near Adam's Peak and other more elevated parts of the island.

Frutex glaber, 10–16-pedalis. *Ramuli* teretes. *Folia* coriacea, spatulata, apicem versus crenato-serrata, emarginata, subtus pallidiora, $1\frac{1}{2}$ – $2\frac{1}{2}$ poll. longa, 9–15 lin. lata. *Pedunculi* axillares, solitarii, 1-flori, circiter 8 lin. longi. *Flores* flavido-purpureascentes, cernui, bracteis 2 minutis subnullis. *Petalis* sepalis duplo longiora, circiter 4 lin. longa. *Stamina* numerosa, glabra, filamentis brevibus, planis; antherarum introrsarum loculis linearibus, connectivo lato, filamento continuo, apice producto separatis. *Ovarium* glabrum, biloculare; *loculis* 1-ovulatis, *stylo* brevi, bifido; *stigmatibus* 2, dilatatis, lobulatis. *Fructus* conicus, 2-spermus.

I have examined a great many specimens of this plant, and have invariably found two minute bracteoles below each flower, and the loculi of the ovary one-ovuled. The leaves must be considered sessile, since the lamina is continued to their very base, though it forms but a narrow border to each side of the costa in the lower part.

2. GORDONIA, Ellis.

1. *G. Zeylanica*, Wight. Illust. 1. p. 99.

Var. *α. lanceolata*; ramulis pilosis, foliis lanceolatis vel oblongo-lanceolatis.—C.P. 788

Var. *β. elliptica*; ramulis levibus vel sublaevibus, foliis latioribus.—*G. elliptica*, Gard. l.c. vol. vii. p. 448.—C.P. 2417.

HAB. Forests of the Central Province, at an elevation of 4000 to 7000 feet.

This species, according to the situation in which it occurs, varies very much in the size of the flowers and size and shape of the leaves. In exposed places where the soil is poor, the var. *α* is found, whilst in more sheltered localities and richer soil the plant is much more luxuriant, and puts on the form of var. *β*. In a series of specimens the two forms may be seen to pass imperceptibly into each other.

2. *G. speciosa*, Thw.—*Carrua speciosa*, Gardn. l.c. vol. vii. p. 7.—C.P. 2403.

HAB. Rather uncommon, in damp forests of the Central Province, at an elevation of 5000 feet and upwards.

Arbor magna, 40–50-pedalis. *Ramuli* teretes, glabri. *Folia* integra, sessilia, coriacea, glabra, elliptica vel ovata, retusa, 3–4½ poll. longa, 1½–2½ poll. lata. *Flores* magni, axillares, sessiles vel brevi-pedunculati; *petalis* cordatis, sanguineo-purpureis, 1½–2 poll. longis.

I regret being obliged to include in the genus *Gordonia* this fine species, which Dr Gardner dedicated, under the generic name of *Carrua*, to the late excellent Sir Wm Carr, but I find that the characters upon which he based his generic distinctive diagnosis are common to the other Ceylon species of *Gordonia*. The structure of the anthers is the same in both, and the analysis of the seed of *Gordonia Zeylanica*

corresponds with that which he gives of *Carria speciosa*, the cotyledons being perfectly flat, and not plaited.

3. SAROSANTHERA, Korthals.

1. *S. lasiopetala*, Thw.—*Cleyera lasiopetala*, Wight, Ill. i. p. 99. *Eurya lasiopetala*, Gardner, l. c. vol. vii. p. 446.—c. p. 775 (776, 783).

HAB. Common in the forests of the Central Province, at an elevation of 6000 feet and upwards.

Arbor medioeris. *Ramuli* teretes, minute strigosi. *Folia* oblongo-lanceolata, obtusa vel subacuminata, retusa, margine revoluta, minute denticulata, superne glabra, subtus minute et parce strigosa, $2\frac{1}{2}$ —4 poll. longa, $\frac{3}{4}$ —1 poll. lata. *Pedunculi* axillares, solitarii, 1-flori, cernui, circiter 8 lin. longi, apice mucronati. *Flores* hermaphroditi, 6—8 lin. in diam., externe sericeo-strigosi, *petalis* albidis. *Fructus* globosus, carnosus nec pulposus, circiter 5 lin. in diam.

This description is taken principally from the one published by Dr. Gardner.

4. EURYA, Thunb.

1. *E. Japonica*, Thunb. Fl. Jap. p. 191, t. 25.

Var. *a. Thunbergii*; ramulis teretibus, glabris.—*E. Japonica*, DC. Prod. i. 525. *E. elliptica*, Gardner, l. c. vol. vii. p. 443.—c. p. 777 (787).

Var. *β. acuminata*; ramulis teretibus, pilosis.—*E. acuminata*, DC. Prod. i. 525. *E. membranacea*, Gard. l. c. vol. vii. p. 444.—c. p. 1078 (785, 786).

Var. *γ. Chinensis*; ramulis angulosis, pilosis.—*E. Chinensis*, R. Br. Abel's Voy. App. p. 379; DC l. c.; Bentham in Hook. Kew Journ. of Bot. vol. iii. (1851) p. 307. *E. Ceylanica*, Wight, Ill. i. 98; Gardner, l. c. vol. vii. p. 441.—c. p. 2600.

Var. *δ. parvifolia*; ramulis angulosis, pilosis, foliis minoribus, pallidis.—*E. parvifolia*, Gardner, l. c. vol. vii. p. 445.—c. p. 784.

HAB. Vars. *a*, *β*, and *δ* in the more elevated parts of the island, up to 8000 feet; *δ* in exposed situations; var *β* from a little above the sea-level, up to an elevation of 5000 feet, very abundant. Noni. vulg. "Neyadasse-gass."

It is only after a very careful and long-continued study of these plants that I have ventured to unite them as forms of one variable species. I have been quite unable to discover, in those parts where other botanists have thought they existed, any definite difference of structure sufficient to constitute a distinction of species. The number of the stamens and apparent length of the style vary in the same variety just as much as between the so-called species, and it seems to me quite impossible to draw a clear line of distinction between the several varieties, since specimens are to be met with combining them all by intermediate links.

Cochlospermum Gossypium, DC, is not found in a wild state in the island, but only, as Dr. Gardner has remarked, in the vicinity of temples.

XXXIV. OLACACEÆ.

TRIBE OPILEÆ.

1. OPILIA, Roxb.

1. *O. amentacea*, Roxb. Corom. Pl. t. 158; Wight, Illust. p. 103, t. 40.—c. p. 2916 (1147).

HAB. Hot, drier parts of the island, at no great elevation.

TRIBE *OLACEÆ*.2. *OLAX*, Lin.

1. *O. Zeylanica*, Lin. (W. et A. Prod. i. 88, cum syn.)—c.p. 1214.
 HAB. Southern part of the island; abundant. Nom. vulg. "Malla."
 The Cinghalese eat the leaves of this plant in their curries.
2. *O. scandens*, Roxb. (W. et A., l. c. p. 89, cum syn.)—c.p. 1216
 HAB. Hot, drier parts of the island.
3. *O. Wightiana*, Wall. (W. et A., l. c. cum syn.)—c.p. 1215.
 HAB. Warmer parts of the island; not uncommon.

3. *STROMBOSIA*, Blume.

1. *S. Javanica*, Bl. Bijdr. p. 1154; Mus. Bot. Lugd. Bat. p. 251, t. 47.—*S. Ceylanica*, Gardner, in Calc. Journ. of Nat. Hist. vol. vi. p. 350.—c.p. 1237.
 HAB. In forests of the Central Province, up to an elevation of 3000 feet.
 Blume's figure and description leave no room for doubt that this is his plant.

TRIBE *ICACINÆÆ*.4. *BURSINOPETALUM*, Wight, Icones, 956

1. *B. arboreum*, Wight, 1 c. Var. *macrophyllum*.—c.p. 637, 2440.
 HAB. Forests of the Central Province, at an elevation of 4000 to 7000 feet.

Arbor ingens. *Folia* ovato-oblonga, acuminata, 4-9 poll. longa, 1½-4 poll. lata, *petiolo* 1-2 poll. longo

I can discover no character to distinguish this from Dr. Wight's plant but the larger size of the leaves, and do not venture to separate it on that account only. A comparison with authentic specimens of Dr. Wight's *B. arboreum* may possibly prove this to be distinct from it, and in that case it might be called *B. macrophyllum*.

2. *B. tetrandrum*, Wight, MSS.; *foliis* oblongis vel ovato-oblongis, *floribus* tetrameris.

Var. α ; *foliis* longe acuminatis.—c.p. 2441.

Var. β ; *foliis* minoribus, apice rotundatis vel abrupte et breviter acuminatis.—c.p. 2542.

Arbor ingens. *Folia* 2-4 poll. longa, ¾-2 poll. lata, *petiolo* 4-8 lin. longo

Distinguished most readily from the preceding by its smaller, tetramerous flowers; the leaves, also, are not nearly so large, and the ripe fruit is more cylindrical in form, and smaller.

5. *APODYTES*, E. Mey.

1. *A. Gardneriana*, Miers, Ann. and Mag. of Nat. Hist. ser. 2. vol. ix. p. 389.—c.p. 204 (495, 1218, 1219).

HAB. Forests of the Central Province, at an elevation of from 5000 to 7000 feet; not uncommon.

Arbor medioeris. *Folia* 2-4 poll. longa, ¾-2 poll. lata, *petiolo* 3-5 lin. longo.

I have not had an opportunity of comparing this with *A. Benthamiana*, Wight, Icon. t. 1153, which is described as having larger flowers than those of this species. The Ceylon plant invariably turns blackish in drying.

6. MAPPIA, Jacq.

1. *M. foetida*, Miers, l. c. p. 395.—*M. ovata*, Miers, l. c. p. 396. *Stemonurus? foetidus*, Wight, Icon. t. 955; Specil. Neilgh. t. 23.—c.r. 492.

Var. *a. Gardneriana*; *alabastris* rotundatis.—*M. Gardneriana*, Miers, l. c. p. 396.

Var. *β. Championiana*; *foliis* membranaceis, *alabastris* oblongis.—*M. Championiana*, Miers, l. c. 397.

HAB. One of the commonest plants in the island, and to be met with from the level of the sea, up to an elevation of 7000 feet. Nom. vulg. "Gandapaana-gass."

Owing to its great range in elevation, this plant varies a great deal in appearance and in the texture of its growing parts, these being of a much firmer consistence on the hills than in the neighbourhood of the sea, and more pulpalbly so in dried than in fresh specimens.

7. STEMONURUS, Blume.

Stemonurus (in parte), Miers. *Urandra*, Thw.

1. *S. apicalis*, Thw.—*Urandra apicalis*, Thw. in Hook. Kew Journ. of Bot. vol. vii. (1855) p. 211.—c.r. 2569.

HAB. Damp forests, at an elevation of from 1000 to 2000 feet. Nom. vulg. "Oorookannoo-gass."

Arbor ingens *Ramuli* teretes, glabri *Folia* integra, coriacea, oblonga vel obovato-oblonga, abrupte brev-acuminata, basi angustata, subtus pallidiora, 4-6 poll. longa, 2-3 poll. lata, *petiolo* 5-8 lin. longo *Pedunculi* axillares, solitarii vel bini, *petiolo* breviores vel subarquilongi. *Capitula* 7-12-flora. *Flores* hermaphroditi, *petalis* viridibus, basin versus purpurascens, circiter 2 lin. longis *Drupa* oblonga, subacuta, 15 lin. longa, 8 lin. lata, viridi-purpurascens, dimidio apicali albido, *putamine* ligneo, cancellato, externe fasciculato-fibroso. *Embryo* in axi albuminis copiosi, carnosius, *radicula* snpera, cylindrica, *cotyledonibus* parvis cordatis aequalibus; *testa* pericarpio consolidata

When describing this plant, two years ago, under the name of *Urandra apicalis*, I had not the opportunity of referring to Blume's Museum Bot. Lugd. Batav., and took it for granted that Mr Miers was correct in determining Dr. Wallich's genus *Gomphandra* to be identical with *Stemonurus* of Blume. Now, however, I am satisfied that that learned botanist was in error, and that to *Platra* of Blume is to be referred the genus *Gomphandra*. Blume's definition of *Stemonurus* as "drupa baccata, nucleo fibroso," does not apply to *Gomphandra*, though it does to the species figured in the Mus. Bot. Lugd. Bat., and to the plant now under description. By a strange oversight, Mr Miers has read my account of the structure of the seed of *Gomphandra polymorpha*, Wight (Hooker's Journal of Bot. vol. vii. p. 211), as if it were that of my *Urandra apicalis*, and has thus been under the erroneous impression (Linnæan Trans. vol. xxi. p. 97 *et seq.*) that the structure is the same in the two plants. It is very different, for in *Stemonurus apicalis* there is no appearance of the longitudinal division of the albumen into two equal parts; the testa is firmly adherent to the pericarp, and the putamen is very peculiar in character, being ligneous, with several longitudinal cavities filled with soft cellular matter, and externally, when the flesh of the

drupe has decomposed or been removed, exhibiting a fasciculate-fibrous structure, which in appearance is not very unlike an arillus, but of course essentially very different from one. Mr. Miers is right in saying that *Urandra apicalis* is a *Stemonurus*, and I have now called it so; but it is not so for the reasons he gives, as has been shown above.

8. *PLATEA*, Blume.

Gomphandra, Wallich, Wight. *Stemonurus* (in parte), Miers

1. ***P. axillaris***, Thw.—*Gomphandra axillaris*, Wall. Cat. n. 3718. *Lasianthera*? *tetrandra*, Wall. in Roxb. Fl. Ind. ii. p. 328. *Gomphandra polymorpha*, Wight, Illust. i. p. 103; Icones, t. 954. *Stemonurus axillaris*, Miers, in Ann. of Nat. Hist. ser. 2. vol. x p. 41. *St. polymorphus*, Miers, l. c. p. 37. *St. Ceylanicus*, Miers, l. c. p. 42. *St. Heyneanus*, Miers, l. c. p. 40—c.p. 251 (762).

HAB. From the level of the sea, up to an elevation of 4000 feet; very abundant.

After reading the description of Dr. Wallich's plant in 'Flora Indica,' cited above, it would seem almost impossible to doubt that this is the species intended by him. It is a very protean one as regards the shape and size of the leaves, and has consequently been overwhelmed with synonyms. I have not the least doubt that those quoted above, if not more, are referable to it in one or other of its forms.

2. ***P. coriacea***, Thw.—*Gomphandra coriacea*, Wight, Ill. i. p. 103. *G. polymorpha*, ♂, Wight, Icon. t. 953. *Stemonurus Gardneri*, Miers, l. c. p. 38. *St. Walkeri*, Miers, l. c. p. 43. *Platea Wightiana*, Miers, l. c. p. 111.—c.p. 375.

HAB. Damp forests of the Central Province, at an elevation of 3000 to 6000 feet; not uncommon.

Equally protean, or even more so than the last species, in the size and shape of its leaves, which vary from narrow-lanceolate to orbicular, with a long, narrow acumination. The hairs upon the filaments are very short, and may easily have been overlooked by Dr. Wight's draughtsman; and the petals and stamens of the fertile plant are so very caducous, that it is not surprising to find Blume describing the flowers as having none. The peduncle is at first axillary, but a leaf being most commonly produced upon it at about its middle, its upper part of course appears opposite to this new leaf, and more strikingly so when a leaf-bud has become developed in the axil of the latter.

This species differs most obviously from the last in its coriaceous, opaque leaves, and longer, dichotomous peduncles, and in these latter appearing most commonly opposite to a leaf. *Gomphandra coriacea* of Dr. Wight's 'Illustrations' is, no doubt, the tetramerous form of this.

XXXV. AURANTIACEÆ.

1. *ATALANTIA*, Corr.

1. ***A. monophylla***, DC. (W. et A. Prod. i. 91; Wight, Illust. i. 108.)—c.p. 197 (1198).

HAB. Kornegalle and towards the north of the island, at no great elevation; not uncommon.

2. LIMONIA, Lin.

1. **L. alata**, Herb. Madr. (W. et A., l. c. p. 92.)—C.P. 1191.

HAB. Hot, drier parts of the island; common. Nom. vulg. "Toompat-kooroondoo-gass."

2. **L. Missionis**, Wall. (W. et A., l. c.)—C.P. 1194.

HAB. Hotter parts of the island. Nom. vulg. "Pambooroo-gass."

3. GLYCOSMIS, Corr.

1. **G. arborea**, DC. (W. et A., l. c. cum syn.)—C.P. 180.

HAB. Abundant in the hot, drier parts of the island. Nom. vulg. "Dodang-paana-gass."

Filamenta dilatata, supra medium latissima, ad apicem angustata. *Ovarium* glandulosum, breve, gynophoro sphaeroidali angustum. *Stylus* depressus, brevis, stigmatibus discoideo distincto aequalatus.

This must certainly be the *Limonia arborea* of Roxburgh (Cor. Plant. t. 85), though the analysis of the flower accompanying his figure expresses far from correctly the character of the species.

2. **G. pentaphylla**, DC. (W. et A., l. c. 93, cum syn.)—C.P. 1192.

HAB. Very common, up to an elevation of 3000 feet.

Filamenta ut in specie precedenti. *Pistillum*, una cum gynophoro mediocris, subcylindricum, truncatum. *Fructus* pulposus.

This is a very variable species as regards the shape and size of its leaves, but may always be distinguished from the preceding by the much smaller panicles and different shape of the pistil and gynophore.

3. **G. bilocularis**, Thw.; *foliis* pinnatis; *foliolis* alternis, breviter petiolulatis, trapezoideo-lanceolatis, apice obtusis; *paniculis* axillaribus, brevissimis, paucifloris; *ovario* biloculari.—C.P. 3362 (olim cum C.P. 1192 mixta).

HAB. Maturatie District, at no great elevation.

Fruter. *Petala* $1\frac{1}{2}$ – $2\frac{1}{2}$ poll. longa, 5–8 lin. lata, subtus pallidiora. *Flores* subsessiles. *Calyx* 5-fidus, segmentis triangularibus. *Petala* 5, alba, minute rufopunctata, oblonga. *Filamenta* alterna breviora, multum et irregulariter dilatata, interne concava. *Pistillum*, una cum gynophoro, concavum, truncatum.

This bears a considerable resemblance to some forms of the preceding species, but its two-celled ovary, besides other differences, proves it to be quite distinct. Its technical characters would perhaps bring it within the genus *Sclerostylis*, but its nearest affinity is certainly with the species of *Glycosmis*.

4. MURRAYA, Kœnig.

1. **M. exotica**, Lin.

Var. *α. burifolia*; *ramulis* confertis, glabris vel tomentosis; *foliis* subcoriaceis; *calycis* segmentis triangularibus.—*M. exotica*, W. et A., l. c. 94, cum syn.—C.P. 1200.

Var. *β. paniculata*; *foliis* majoribus, membranaceis, venis subtus prominentibus; *calycis* segmentis oblongis.—*M. paniculata*, W. et A., l. c. cum syn.—C.P. 1199.

HAB. Var. *α* in gardens only. Var. *β* common in the warmer parts of the island, and up to an elevation of 3000 feet. Nom. vulg. "Attairoya-gass."

With fresh specimens of these two forms before me, I have been unable to discover anything like a good specific difference between them

5. *SCLEROSTYLIS*, Blume.

1. *S. Ceylanica*, Wight, Ill. i. p. 109.—*S. Arnottiana*, Wight, l. c. *Rissoa Ceylanica*, Arn. Pug. p. 6 (324).—c.p. 1196.

HAB. Warmer parts of the island, not uncommon. Nom. vulg. "Yucca-naara-gass."

A very variable species in the size and shape of its leaves, and the number of flowers in the axils. I have always found the flowers tetramerous, and two ovules in each loculus of the ovary.

2. *S. rotundifolia*, Thw.; *inermis*?, *foliis* rotundis vel ovato-rotundis, retusis, coriaceis; *racemis* ad apices ramulorum confertis.—c.p. 3295.

HAB. Maturatte, at an elevation of 4000 feet and upwards; not common.

Arbor parva, ramosissima, glabra. *Folia* $\frac{3}{4}$ –1 $\frac{1}{2}$ poll. longa, $\frac{1}{2}$ –1 $\frac{1}{2}$ poll. lata, *petiolo* 1–2 lin. longo. *Racemi* axillares et terminales, solitarii vel 2–3-fasciculati, 5–10-flori, foliis æquilongis. *Flores* tetrameri. *Calyx* profunde 4-fidus, lobis rotundatis. *Ovarium* oblongum, brevi-stipitatum, in *stylum* cylindricum apice compresso-dilatatum inægue stigmatosum æquilongum attenuatum; *loculus* 2, biovulatis.

Closely allied to the preceding species, but distinguished at once by the absence (apparently) of spines, and the different shape of the leaves. The calyx is deeply four-lobed, whereas in *S. Ceylanica* it is scarcely more than undulated; the style is also more slender in the present species, and the ovary more decidedly stalked. In both species the latter organ is surrounded at its base by a free, glandular annulus.

6. *BERGERA*, Kœnig.

1. *B. Kœnigii*, Lin. (W. et A. Prod. i. 94, cum syn.; Wight, Icones, t. 13).—c.p. 1203, 2517.

HAB. Hot, drier parts of the island; not uncommon. Nom. vulg. "Karapinchec-gass."

The Cinghalese use the leaves of this plant as a seasoning for their curries.

2. *B. nitida*, Thw.; *foliis* 5–14, oblongis, obtuse acumminatis vel retusis, valde obliquis, obscure crenatis, glabris, nitidis, *ovarii* loculus 2, biovulatis.—c.p. 2121.

HAB. Warmer parts of the island; not very uncommon. Nom. vulg. "Meegong-karapinchec-gass."

Arbor mediocrius *Ramuli* minute pilosi. *Foliola* 1 $\frac{1}{2}$ –3 poll. longa, $\frac{1}{2}$ –1 $\frac{1}{2}$ poll. lata, *petiolo* puberulo, 1–2 lin. longo. *Paniculi* terminales, puberuli. *Flores* parvi, albi, pentameri. *Staminum filamenta* medio dilatata, *antheræ* coriato-rotundate. *Ovarium* oblongum; *stylo* brevi, cylindrico, deciduo, *stigmatibus* capitato. *Fructus* sphaericus, pulposus, flavus, 1-spermus, 4–5 lin. in diam.

This species has evidently a near affinity with *Piptostylis Indica*, Dalzell (Hook. Journ. of Bot. vol. iii. p. 33, t. 2), the style being wholly deciduous as in that species, and the loculi of the ovary always two-ovuled; but it differs from it in its very oblique leaves, smaller flowers, capitate stigma, and two-celled ovary. It may be considered doubtful, perhaps, whether it is desirable to retain the genus *Piptostylis* as distinct from *Bergera*. I am able to confirm Mr Dalzell's observation that the loculi of the ovarium of *B. Kœnigii* are frequently two-ovuled.

7. *MICROMELUM*, Blume.

1. *M. pubescens*, Blume, Byd. p. 138?—c.p. 188.

HAB. Very common in the hotter parts of the island, up to an elevation of 2000 feet. Nom. vulg. "Wal-karapinhee-gass."

This is a very variable plant in the size and shape of its leaves, which are always very oblique at the base. The small-leaved state bears very considerable resemblance to *Bergera Kanigui*. There seems to me to be scarcely sufficient grounds for excluding the present species from the genus *Cookia*.

8. CLAUSENA, Burm.

1. **C. Willdenovii**, W. et A. Prod. i. 96, cum syn.; Wight, Icones, t. 339.—C.P. 1204.

HAB. Hot, drier parts of the island.

Foliorum juniorum rachis, cum foliorum petiolulis, costulis marginibusque superne puberula.

2. **C. pubescens**, W. et A., l. c.—C.P. 2546.

HAB. Near Hanguranketty, at an elevation of about 3000 feet; not common.

I suspect that this and the preceding will prove to be but varieties of one species, for I can discover no character of any importance to distinguish them except the dense pubescence upon the ramuli and under surface of the leaves of the present one.

9. PARAMIGNYA, Wight

1. **P. monophylla**, Wight, Illust. p. 108. t. 42.—C.P. 1201, 1202.

HAB. Hot, drier parts of the island, up to an elevation of 2000 feet. Nom. vulg. "Wallangereya."

10. Gen. Nov. ARTHROMISCHUS, Thw.

Calyx brevis, 4-dentatus. *Corollæ* petala 4, oblonga. *Stamina* 8, aequalia; *filamentis* medio dilatatis; *antheris* oblongis. *Ovarium* gynophoro conspicuo suffultum, 4-loculare; *loculis* 1-ovulatis. *Ovula* pendula. *Stylus* longus, cylindricus. *Stigma* dilatatum. *Fructus* 1-1-spermus.

1. **A. armatus**, Thw.—C.P. 1197, 3115.

HAB. Hotter parts of the island, at no great elevation; not common.

Plutex scandens, spinis rectis vel apice curvatis armatus. *Ramuli* glabri vel minute puberuli. *Folia* 1-foliolata, *petiolo* 2-4 lin longo, *foliolo* ovato-vel oblongo-acuminato, basi rotundato, 1½-3½ poll longo, 7-15 lin lato; *petiolulo* 1½ lin longo. *Fasciculi* axillares, 1-8-flori, *pedicellis* 3-4 lin. longis. *Petala* 2 lin. longa. *Ovarium* subsphaericum, gynophoro rotundato aequilongo subaequilato suffultum. *Fructus* pulposus, rotundatus, flavescens, 4-8 lin in diam.

This plant differs from *Luvunga* in the greater number of cells to the ovary, and these being one-ovuled, from *Paramignya* its jointed leaf-stalk, small calyx, and one-ovuled loculi distinguish it, whilst from *Atalantia* it is separated by its scandent habit, free filaments, and stalked ovary.

11. LUVUNGA, Ham.

1. **L. scandens**, Ham. (Wight, Illust. i. 108.)—*Limonia scandens*, Roxb. Fl. Ind. ii. 380.—C.P. 1195.

HAB. Central Province, at an elevation of 3000 to 5000 feet.

In all the specimens of this plant I have examined, the filaments were free to their very base, even in the unexpanded flowers, and the species appears to be somewhat dioecious, as in some plants the ovaries of all the flowers are entirely without ovules.

If Roxburgh did not make a mistake in his description of this plant, it will be necessary to call the Ceylon *Luvunga* in this 'Enumeration,' *L. eleutherandra*, Dalzell, or what is the *L. Tavoyana*, Wall, referred to by Wight in the Illust. i. p. 108?

2. *L. eleutherandra*, Dalz. Hook. Journ. of Bot. ii. (1850) p. 258; Walp Ann. ii. p. 184.—c.p. 1195.

HAB Central Province, at an elevation of 3000 to 5000 feet.

This species would appear to be dioecious, as in some plants the ovaries of all the flowers are entirely without ovules. It varies much in the shape and size of the leaves.

12. FERONIA, Corr.

1. *F. Elephantum*, Corr. (W. et A. Prod. i. 96, cum syn.; Wight, Icones, t. 15.)—c.p. 1205.

HAB. Hot, drier parts of the island, very abundant. Nom. vulg. "Diwool-gass."

XXXVI. HYPERICACEÆ.

1. HYPERICUM, Lin.

1. *H. Mysorense*, Herb. Mad. (W. et A. Prod. i. 99.)—*Novysca Mysorensis*, Wight, Icones, t. 56.—c.p. 48.

HAB. Central Province, at an elevation of 6000 to 8000 feet; not uncommon.

2. *H. Japonicum*, Thunb. (W. et A., l. c. cum syn.)—c.p. 2420.

HAB. Abundant in paddy-fields and other wet places throughout the island.

XXXVII. GUTTIFERÆ.

1. GARCINIA, Lin.

1. *G. Cambogia*, Desrous. (DC. Prod. i. 561, cum syn.; Wight, Illust. i. 125, cum syn.)—*Cambogia Gutta*, Lin. (in parte), et forsan *Garc. Roxburghii*, Wight, l. c. cum syn.—c.p. 1172.

Var. α , *fructu maturo flavo*.

Var. β , *fructu maturo rubro*.

HAB Not uncommon up to an elevation of 1500 feet. Nom. vulg. "Goraka-gass."

Florum fasciculi —MASC 3-8, pedicellati, *pedicellis* 7-10 lin. longis, apice parce incrassatis. FEM. 1-2, pedicellati, *pedicellis* 2-5 lin. longis. *Fructus* $2\frac{1}{2}$ -3 poll. in diam.

There appears to be in Ceylon but one species of *Garcinia* with sulcated fruit, but in all the figures and descriptions of it I have seen, no notice is taken of a very marked character it has, namely, that the sulci or furrows are not continued to the apex, but terminate at some distance from it, the apex itself being smooth and depressed, and somewhat mamilliform. The gum which exudes from the tree

is semitransparent, very adhesive, and is insoluble in water, and therefore quite unsuitable for the purposes of the draughtsman. The Cinghalese dry the acid rinds of the ripe fruit, both the yellow and red varieties, and use them as a condiment for eating with their curries.

2. **G. echinocarpa**, Thw. (Hook. Journ. of Bot. vol. vi. (1854) p. 71.)

Var. *a*; *foliis* oblongis vel lanceolatis, acuminatis.—c.p. 2445.

Var. *β*; *foliis* valde coriaceis, obovatis vel oblongis, refusis vel acuminatis brevibus; *floribus* majoribus.—c.p. 335.

HAB. Var. *a*, in the forests between Ratnapoora and Galle, at no great elevation. Var. *β*, in the Central Province, at an elevation of 4000 to 6000 feet; common. Nom. vulg. "Madol-gass."

Flores terminales, sessiles: MASC. numerosi, aggregati; FEM. solitarii. *Ovarium* squamis carnosissimis numerosis imbricatis tectum. *Fructus* subsphaericus, echinulato-muricatus.

A thick oil is extracted from the seeds, which is used by the Cinghalese for burning in their lamps, but it gives a very indifferent light.

3. **G. Morella**, Desrous.—*Hebradendron cambogioides*, Graham, in Hook. Comp. to Bot. Mag. vol. ii. p. 199. t. 27, cum syn. *Garcinia Gutta*, Wight, Illust. i. 126. *Cambogia Gutta*, Lam. Fl. Zeyl. p. 87, in parte.—c.p. 322.

HAB. Warmer parts of the island, up to an elevation of 2000 feet. Nom. vulg. "Gokatoo-gass," "Kana-goraka-gass."

FEM. *Ovarium* glabrum, apice stigmatibus sessilibus imbricatum lobato tectum; basi *staminibus* sterilibus erectis 12, 1-serialibus, basi coherentibus cinctum; *antheris* ellipticis, subquadratis, apice emarginatis.

This is the only species growing in Ceylon from which gamboge is obtainable, and as the tree is not uncommon, the pigment might be collected in considerable quantities.

2. TERPNOPHYLLUM, Thw.

Hook. Journ. of Bot. vol. vi. (1854) p. 70.

? *Discostigma*, Hassk. (Endl. Gen. Plant. Suppl. iii. p. 95.)

Flores dioici. *Calyx* 4-phyllus, deciduus. MASC. *Stamina* plurima in disco mamillatum 2- vel 4-lobatum subtus petalis adherentem coalita; mamillis singulis, *antheris* 2-4, loculis horizontalibus subimmersis gerentibus; *ovarii rudimento* minuto. FEM. *Ovarium* biloculare, *staminibus* sterilibus paucis squamiformibus cinctum.

1. **T. Zeylanicum**, Thw. l. c. t. 2.

Var. *a. lanceolatum*; *foliis* lanceolatis; *disco* stamineo 2-lobato, *lobis* bifidis, medio sulcatis.—c.p. 2695.

Var. *β. acuminatum*; *foliis* lanceolatis, obtuse rostrato-acuminatis; *disco* stamineo 4-lobato.—c.p. 3400.

HAB. Var. *a*, Central Province, at an elevation of 2000 to 4000 feet. Var. *β*, in forests between Ratnapoora and Galle, at no great elevation.

The *Garcinia Merguensis*, Wight, Icones, t. 116, will probably prove to be a species of this genus.

3. XANTHOCHYMUS, Roxb.

1. **X. ovalifolius**, Roxb. Fl. Ind. ii. p. 632; W. et A. Prod. i. 102 (excl. syn. a Burm. Fl. Ind. et Fl. Zeyl.).—? *X. spicatus*, W. et A., l. c.

Var. α ; *foliis* ovatis, apice rotundatis vel retusis.—C.P. 1173.

Var. β ; *foliis* lanceolatis vel ovato-lanceolatis, plus minus acuminatis.—C.P. 731 (743, 755).

HAB. Var. α , hot, drier parts of the island. Var. β , Central Province, up to an elevation of 3000 feet; abundant. Nom. vulg. "Ellagokattoo-gass."

A most variable species, both as to the shape of the leaves and length of the peduncles and pedicels. Although the extreme forms of vars. α and β look very dissimilar, I am unable to find any constant character by which to separate them. A tenacious gummy matter exudes from the trunk, but it is of no value.

4. MESUA, Linn.

1. *M. ferrea*, Linn. Sp. 734; DC. Prodr. i. 562; Wight, Ill. i. 127; Icones, t. 118.—*M. Nagaha*, Gard. in Calc. Journ. of Nat. Hist. vol. viii. p. 4. *Arbor Naghas*, Burm. Zeyl. p. 25. *Mesua foliis lanceolatis*, etc., Fl. Zeyl. n. 203. *Nagassarium*, Rumph. Amb. vii. 3. t. 2.—C.P. 602.

Var. α ; *foliis* lanceolatis, acuminatis.

Var. β ; *foliis* linear-lanceolatis.

HAB. Vars. α and β , common about Galagama, especially the latter. Var. α occurs very commonly in the neighbourhood of temples as one of the favourite trees planted for ornament. Nom. vulg. "Nā-gass."

Dr. Gardner has given, in the work quoted above, a very full description of the ordinary form of this species. The natives express an oil from the seeds for burning. The wood is very hard and durable.

2. *M. speciosa*, Choisy, in DC. Prodr. i. 562; Rheede, Hort. Malab. iii. 63. t. 53. ? Wight, Icones, t. 961.—C.P. 2675.

Var. β ; *foliis* multo minoribus.—C.P. 603.

HAB. Banks of streams, in the Ratnapoora District. Nom. vulg. "Deyā-nā-gass."

The figure in Hort. Mal. quoted above, and from which M. Choisy appears to have derived his character of the species, is a very fair representation of the usual form of this plant, which differs from the preceding in its much larger leaves, most commonly rounded at the base, its sessile or subsessile flowers, and larger fruit.

3. *M. Coromandelina*, Wight, Icones, t. 117; Illust. i. 127.—C.P. 3404.

HAB. Forests between Galle and Ratnapoora, at no great elevation.

Dr. Wight's figure in the 'Icones' well represents this plant, which is distinguished from *M. ferrea* by its more suddenly acuminate leaves, their base more rounded, and in these being without the white coating on the under side, so conspicuous in the other two species, and in its much smaller flowers on longer pedicels.

5. KAYEA, Wall.

Capsula rotundata, coriacea, irregulariter fissa, 1-4-sperma, *calyce* multum aucto coriaceo inclusa. *Semina cotyledonibus* distinctis, *car-nosis*; *testa* membranacea, colorata.

1. *K. stylosa*, Thw; *foliis* ovato-lanceolatis, acuminatis.—C.P. 2708.

HAB. South of the island, at no great elevation. Nom. vulg. "Soovanda-gass."

Arbor magna. Ramuli teretes, glabri, rufescentes. Folia 2-3 poll. longa, 7-10 lin. lata, subtus minutissime reticulata, petiolo 2-3 lin. longo. Stylus staminibus numerosis multum longior.

This differs from *Kaya floribunda* of Wallich's Pl. Asiat. Rarior. vol. iii. p. 5 t. 210, in its much smaller and differently-shaped leaves, and long, protruded style. The flowers are very fragrant. The timber is useful for building purposes.

6. CALOPHYLLUM, Linn.

Nom. vulg. "Keena-gass," "Walloo-keena-gass."

Sect. 1. *Sepala 4. Petala 8.*

1. **C. Walkerii**, Wight, Illust. i. 128. t. 45.—c.p. 1170.

HAB. Newera Ellia, Adam's Peak, and other of the most elevated parts of the island.

An oil is extracted from the seeds of this and the other species of the genus, which is used for burning.

Sect. 2. *Sepala 4. Petala 4.*

† *Racemi folia aequantes vel longiores.*

2. **C. decipiens**, Wight, Illust. i. 128; Icones, t. 106.—c.p. 3403.

Var. *α*; *foliis* obovato-oblongis, basi rotundatis.

Var. *β*, *foliis* cordato-orbiculatis.

HAB. Var. *α*, Ambagamowa District. Var. *β*, Hinidoon Corle, at an elevation of 1000 to 2000 feet.

The leaves of this plant vary much in shape, and the foliage often strongly resembles that of the preceding. In very young plants (c.p. 3401) of what I believe to be this species, the leaves are lanceolate or cordate-lanceolate.

3. **C. trapezifolium**, Thw.; *foliis* coriaceis, parvis, ovato-trapezoides, obtuse et breve acumatis vel retusis; *racemis* folio multum longioribus; *floribus* majusculis.—c.p. 2446.

HAB. Hunasgiri District, in the Central Province, at an elevation of 4000 to 5000 feet.

Arbor magna. Ramuli glabri. Folia 1½-2 poll. longa, 7-11 lin. lata, petiolo 3-4 lin. longo. Fructus subsphaericus, 8 lin. longus, 7 lin. latus.

4. **C. cuneifolium**, Thw.; *foliis* parvis, cuneato-spathulatis, obtuse brevi-acuminatis vel retusis, coriaceis.—c.p. 2917.

HAB. Madamahnewera, at an elevation of 3000 to 4000 feet.

Arbor magna. Ramuli glabri. Folia 1½-1¾ poll. longa, 5-9 lin. lata, petiolo 3-4 lin. longo. Flores mediocres. Fructus sphaericus, 8 lin. in diam.

†† *Racemi foliis breviores*

5. **C. Inophyllum**, Linn. (W. et A. Prod. i. 103; Wight, Illust. i. 128; Icones, t. 77.)—c.p. 2764.

HAB. Hotter parts of the island, up to an elevation of 2000 feet. Nom. vulg. "Domba-gass."

6. **C. tomentosum**, Wight, Illust. i. 128; Icones, t. 110.—c.p. 1171.

HAB. Central Province, at an elevation of 3000 to 5000 feet; common.

The timber of this abundant tree is valued for building purposes, and the seeds are collected in considerable quantities for the sake of the oil they contain, which is called "Keena-tel."

7. **C. bracteatum**, Thw.; *foliis* lanceolatis, acumatis, a medio

versus basin subrotundatam sensim angustatis; *racemis* conspicue bracteatis, tomentosis.—C.P. 2674.

HAB. Saffragam District, by the sides of streams, at no great elevation.

Arbor ingens *Ramuli* quadranguli, penduli, tomento ferrugineo caduco vestiti. *Folia* $3\frac{1}{2}$ –8 poll longa, $1-2\frac{1}{2}$ lata; *petiolo* 2–4 lin. longo; *juniora* tomento fugaci pilosa. *Racemi* foliis multo breviores, 4–8-flori. *Pedicelli* basi 1-bracteati, *bracteis* oblongis, tomentosis, 2–3 lin. longis. *Flores* 4 lin. in expans. *Fructus* immaturus oblongus

The bracteated racemes, much smaller flowers, and oblong fruit, abundantly distinguish this from the preceding species.

Sect. 3. *Sepala* 4. *Petala* 0.

Apolerum, Blume, Bijdr. p. 218.

8. **C. Moonii**, Wight, Illust. i. 129; Icones, t. 111.—C.P. 3402.

HAB. Forests in the district between Galle and Ratnapoora; not uncommon. Nom. vulg. "Domba-keena-gass."

Arbor magna *Ramuli* juniores tomento ferrugineo fugaci vestiti. *Fructus* sphericus

9. **C. Burmanni**, Wight, Illust. i. 129; Icones, t. 107, 108; Burm. Fl. Zeyl. t. 60.—C.P. 242, 2447.

HAB. Hotter parts of the island, at no great elevation.

Fructus subsphericus, rufo-brunneus, $\frac{1}{2}$ poll. in diam.

XXXVIII. HIPPOCRATEACEÆ.

1. HIPPOCRATEA, Linn.

1. **H. Indica**, Willd. (W. et A. Prod. i. 104, cum syn.)—C.P. 1164.

HAB. Hot, drier parts of the island; not uncommon.

2. **H. obtusifolia**, Roxb. (W. et A., l.c. cum syn.; Wight, Icon. t. 963.)—C.P. 3158.

HAB. South of the island. Nom. vulg. "Deyakirindi-wel."

2. KOKOONA, Thw.

Hook. Journ. of Bot. vol. v. (1853) p. 379

Stamina 5, *petalis* alterna; *filamentis* subulatis, *disco* magno annulari expanso singulatum insertis. *Ovarium* semi-inmersum, 3-loculare; *loculis* 4–12-ovulatis. *Ovula* erecta. *Capsula* triangularis, loculicide deliiscens, *valvis* 3, lignosis. *Semina* imbricata, longe alata.

1. **K. Zeylanica**, Thw. l.c. t. 6.—C.P. 2584.

HAB. Not uncommon on the banks of streams in the Saffragam and Ambagamowa Districts, at an elevation of 2000 to 4000 feet. Nom. vulg. "Kokoon-gass."

The inner yellow bark of this tree is employed by the natives medicinally as a sternutatory, and an oil is expressed from the seeds, which is used for burning in lamps.

3. SALACIA, Linn.

1. *S. oblonga*, Wall. (W. et A. Prod. i. 106, cum syn.; Wight, Icones, t. 97; Illust. t. 47 B.)—c.p. 1061, 3148.

HAB. Common in the hot, drier parts of the island.

2. *S. reticulata*, Wight, Illust. i. 134.—c.p. 658.

HAB. Central Province, at an elevation of 1000 to 3000 feet. Nom. vulg. "Himbootoo-wel"

The natives eat the pulp of the ripe, rather large, spherical fruit.

3. *S. prinoides*, DC. (W. et A. Prod. i. 105; Wight, Icones, t. 321.)—c.p. 1165.

HAB. Central Province, up to an elevation of 2000 feet. Nom. vulg. "Heen-lumbootoo-wel."

4. *S. diandra*, Thw.; *foliis* integris, ovatis, obtuse acuminatis, basi angustatis, brevi-petiolatis, subtus nitidis, delicatule reticulatis; *floribus* tetrameris, diandris.—c.p. 2720.

HAB. Central Province and Saffragam District, up to an elevation of 2000 feet; not common.

Frutex scandens, siccitate nigrescens. *Folia* 2-4½ poll longa, 1-1½ lata; *petiolo* 1-2 lin. longo. *Flores* axillares, solitarii, *pedicello* petiolo æquilongo. *Petalata* rotundata, unguiculata, in anthesi horizontalia, lateribus reflexis; *calycis* sequentis triangularibus multo longioribus. *Staminum* filamenta brevia, *antheræ* extrorsæ, loculis subsphæricis, horizontaliter dehiscentibus. *Orarium* biloculare, loculis bi-ovulatis.

XXXIX. MALPIGHIACEÆ.

1. HIPTAGE, Gærtn.

1. *H. Madablota*, Gærtn. (W. et A. Prod. i. 107, cum syn.; Wight, Illust. i. 139. t. 50.)—c.p. 659.

HAB. Common up to an elevation of 3000 feet.

2. *H. parvifolia*, W. et A., l. c.—c.p. 1166, 1167.

HAB. Hot, drier parts of the island, *Gardner*.

Platynema laurifolium, W. et A., described as from Ceylon, is probably cultivated there only. Specimens in Hook. Herb. are from Singapore, but it may not be wild there

XL. ERYTHROXYLÆ

1. SETHIA, Kunth.

1. *S. Indica*, DC. (W. et A. Prod. i. 106, cum syn.; Wight, Illust. i. 136. t. 48.)—c.p. 1168.

HAB. Hot, drier parts of the island.

Mr Ondaatze informs me that an empyreumatic oil or wood-tar, used for preserving the wood employed in the construction of native boats, is obtained from the wood of this tree

2. *S. lanceolata*, Wight, Illust. i. 136; *foliis lanceolatis vel lineari-lanceolatis*, obtusis.—C.P. 493.

HAB. On the banks of streams, Galagama, at an elevation of 2000 to 3000 feet.

Frutex erectus, ramosus. Folia 2–3½ poll. longa, ½–1 poll. lata; *petiolo* 1½–2½ lin. longo.

This is, as truly observed by Dr. Wight, very closely allied to the next species, but, in addition to the difference in their shape, the under side of the leaves of the present plant is less shining, and the large areolæ formed by the inosculation of the primary veins approach nearer to the margin than they do in *S. obtusifolia*. If these are, as Dr. Wight suggests, to be considered only varieties of one species, *S. acuminata* would also have to be joined with them, and perhaps this would best express their real character, though I can hardly venture to unite them without further investigation.

3. *S. obtusifolia*; *foliis ovato-lanceolatis, ellipticis vel obovatis, apice obtuse brevi-acuminatis vel rotundatis, basi plus minus angustatis vel rotundatis*.

a. *stylosa*; *staminibus* alternis longioribus, *stylo* brevioribus.—*S. lanceolata*, var. β *obtusifolia*, Wight, Illust. i. 136 —C.P. 2613.

b. *staminea*; *staminibus* æqualibus, *stylo* longioribus.—*S. erythroxylodes*, Wight, l. c —C.P. 25.

HAB. Central Province, at an elevation of 2000 to 4000 feet.

Folia 1½–3½ poll. longa, ¾–1½ poll. lata, *petiolo* 2–3½ lin. longo

Until I found the same peculiarity existing in the next species, I considered, with Dr. Wight, that the different states indicated above under the letters *a* and *b* were distinct species: I am now disposed to look upon them rather as the foreshadowing of a dioicous character, though fruit is produced apparently in equal abundance upon the plants of either state.

4. *S. acuminata*, Arn. Pug. p. 6 (324); Wight, Illust. i. 135.—*Erythroxylon lucidum*, Moon's Cat.—C.P. 222.

Var. β ; *foliis* minoribus, longius acuminatis; *petiolo* breviori.—C.P. 3488.

a. *stylosa*; *staminibus* alternis longioribus, *stylo* brevioribus.

b. *staminea*; *staminibus* æqualibus, *stylo* longioribus.

HAB. Ambagamowa and Salfragam Districts, at an elevation of 1000 to 2000 feet. Nom. vulg. "Batta-kerilla-gass."

The smaller and much acuminate leaves, and the more acute segments of the calyx, seem alone to distinguish this from the preceding species.

The Cinghalese attach much value to this plant as an anthelmintic for children, giving the juice expressed from the fresh leaves.

XLI. SAPINDACEÆ.

1. CARDIOSPERMUM, Linn.

1. *C. Halicacabum*, Linn. (W. et A. Prod. i. 109, cum syn.)—C.P. 2958.

HAB. Very abundant in the warmer parts of the island. Nom. vulg. "Painaira-wel."

It is probable that *C. canescens*, Wall., occurs also in the island, but I have never yet met with it.

2. SCHMIDELIA, Lin.

1. **S. Cobbe**, DC. Prod. i. 610, cum syn.; Wight, Icon. t. 964, 2; W. et A. Prod. i. 110, cum syn.—C.P. 1156.

HAB. Very abundant up to an elevation of 3000 feet. Nom. vulg. "Cobbar-gass."

2. **S. villosa**, Wight, Icon. t. 401.—? *S. Rheedii*, Wight, Ic. t. 964.—C.P. 3549.

HAB. Central Province, at an elevation of 3000 to 5000 feet.

I suspect that this will prove to be but a variety of the preceding species, from which it seems scarcely to differ except in being much more hairy.

3. **S. allophylla**, DC. Prod. i. 611, cum syn.; *foliis* lanceolatis vel ovato-lanceolatis, acuminatis, glabris, integris vel versus apicem grosse dentatis, basi angustatis.

Var. α ; *racemis* brevibus, hispidis; *bracteolis* confertis.—C.P. 2679. *S. allophylla*, Arn. Pug. 8 (326).

Var. β ; *racemis* elongatis, minute pilosis, florum fasciculis sparsis; *bracteolis* inconspicuis.—C.P. 562.

HAB. Var. α , Ambagamowa and Hinidoon Districts, up to an elevation of 3000 feet. Var. β , Central Province, at an elevation of 2000 to 5000 feet.

Arbor parva. *Folia* 4–10 poll. longa, $1\frac{1}{2}$ – $3\frac{1}{2}$ poll. lata, *petiolo* $\frac{1}{2}$ –1 poll. longo. *Flores* parvi, *petalis* longe unguiculatis, *squamulis* villosis, lamina æquilongis. *Bacce* rotundatæ, rubræ

4. **S. hispida**, Thw.; *ramulis* hispidis; *foliis* lanceolatis, acuminatis, basi rotundatis vel parce angustatis, glabris, margine costa venis primariisque utrinque cum *petiolo* longo hispidis; *racemis* brevissimis; *floribus* confertis.—C.P. 3294.

HAB. Ambagamowa District, at an elevation of 1000 to 2000 feet.

Arbor parva. *Folia* 5–14 poll. longa, 2–5 poll. lata; *petiolo* $\frac{1}{2}$ –2 poll. longo. *Petala* unguiculata; *squamulis* longe villosis, lamina brevioribus

5. **S. acuminata**, Thw.; *foliis* ovatis, obtuse rostrato-acuminatis, glabris; *racemis* elongatis, subglabris, sparsifloris.—C.P. 3001.

HAB. Galagama, on the banks of streams, at an elevation of 2000 to 3000 feet.

Arbor parva. *Ramuli* teretes, glabri. *Folia* $2\frac{1}{2}$ –4 $\frac{1}{2}$ poll. longa, 1–2 poll. lata; *petiolo* 4–7 lin. longo. *Petalorum squamule* densissime villosæ, lamina æquilongæ.

3. SAPINDUS, Linn.

1. **S. laurifolius**, Vahl, (Wight et Arn. Prod. i. 111, cum syn.)—C.P. 2545.

HAB. Southern and central parts of the island, up to an elevation of 3000 feet.

The specimens in this Herbarium have the leaves tomentose underneath, and the petals, which are hairy over their entire inner surface, have two hairy glandular appendages, as in the following species.

2. **S. emarginatus**, Vahl, (W. et A., l.c. cum syn.; Wight, Illust. i. 141, t. 51.)—C.P. 1151.

HAB. Hot, drier parts of the island. Nom. vulg. "Penella-gass."

My specimens have the under side of the leaves quite glabrous, so that it would

appear that this and the foregoing species vary in having their leaves either glabrous or hairy beneath.

3. *S. unijugus*, Thw.; *foliis* bifoliolatis, glabris; *petiolo* tereti, basi tumido; *foliolis* lanceolatis, reticulatis, obtuse acuminatis, brevipe-
tiolulatis; *racemis* simplicibus vel ramosis, subterminalibus, oppositi-
foliis, minute pilosis.—c.p. 2165.

HAB. Hewahette District, at an elevation of 3000 to 4000 feet.

Arbor magna. *Folia* siccitate nigrescentia; *petiolo* 7-12 lin. longo; *foliolis* 3-5 poll. longis, 1½-2 poll. latis; *petiolulo* tumido 2-3 lin. longo. *Calycis* *segmenta* acuta. *Stamina* 8. *Ovarium* hirsutum, 3-loculare, *stigmata* sessilibus, 3-radiato. *Bacca* 1-3-sperma, ¾-1½ poll. in diam., subrotundata.

The specimens I have obtained of this plant do not enable me to give so full a description of the flower and fruit as I could wish. In appearance it a good deal resembles *Nephelium bifoliolatum* of this work, but the structure of the fruit is very different.

4. HEMIGYROSA, Blume.

Rumphia, vol. iii. p. 165. Walpers, Ann. vol. ii. p. 212.

1. *H. trichocarpa*, Thw.; *foliis* abrupte pinnatis, subglabris; *foliolis* suboppositis, 2-4-jugis, lanceolatis, acuminatis, integris; *racemis* tomentosis, plus minus ramosis; *bracteolis* subulatis, curvatis, *pedicellis* longioribus.

Var. β; *foliis* minoribus, angustioribus.—c.p. 607.

HAB. Var. α, Central Province, up to an elevation of 3000 feet.
Var. β, hot, drier parts of the island.

Arbor mediocris. *Petala* 4 (uno deficiente). *Ovarium* hirsutum, trigonum, *stylo* brevi. *Fructus* hirsutus, induratus, trigonus, trilocularis, *pericarpio* subliguoso, interne piloso. *Semina* oblonga; *testa* membranacea, *cotyledonibus* carinosis, equalibus, incumbenibus; *radicula* parva, ab hilo distante.

2. *H. canescens*, Thw.—*Cupania canescens*, W et A. Prod. i. 113. *Molina* *canescens*, Roxb. Cor. i. 43 t. 60; *foliis* ovato-lanceolatis, glabris, subtus fuscescentibus; *racemis* plus minus ramosis, minute tomentosis; *bracteolis* minutis, triangularibus, *pedicellis* brevioribus.—c.p. 3508.

HAB. Lower Badulla Road from Kandy, at no great elevation.

This plant is so closely allied to the preceding that I suspect there must be some mistake in its having been described with deliscent fruit and arillate seeds. The apparent nullus in Roxburgh's figure is, I believe, the hairy coating of the inside of the pericarp. The fruit in my specimens is very immature. I find the fifth (small) petal sometimes present, as figured by Roxburgh.

5. HARPULLIA, Roxb.

Otonychium, Blume. *Streptostigma*, Thw.

1. *H. imbricata*.—*Otonychium imbricatum*, Bl. Rumphia, iii. 180; Walpers, Ann. ii. 213. *Streptostigma viridiflorum*, Thw. in Hook. Journ. of Bot. vol. vi. (1854) p. 208. t. 9 A. ? *Harpullia cupanioides*, Roxb. Fl. Ind. ii. p. 442.—c.p. 605, 736.

HAB. Central Province; not uncommon, up to an elevation of 3000 feet.

This must be closely allied to, if not identical with, Roxburgh's *Harpullia cupanioides*, but, if that eminent botanist's description be correct, the Ceylon plant

differs from his in having most frequently two instead of one seed in each loculus of the seed-vessel; the seeds of a different colour and shape, and with an aril very minute, instead of reaching nearly to their apex: the position of the radicle would also appear to be different. The peculiar twisted character of the stigma, so evident in the Ceylon plant, would scarcely have been left unnoticed by Roxburgh and Wallich had it been present in the species described by them, which on the other hand is said to have a bifid style.

6. NEPHELIUM, Linn

† *Petala appendiculata.*

1 **N. erectum**, Thw; *foliis* majusculis, abrupte pinnatis, *foliolis* 3-4-jugis, suboppositis, lanceolatis, acuminatis, integris, glabris, reticulatis; *paniculis* terminalibus, multifloris, foliis multo brevioribus; *fructibus* 1-3- raro 4-lobis, minute tomentosis, lobis oblongis. — c. p. 1150 (in parte)

HAB. Central Province, up to an elevation of 3000 feet

Frutex erectus, non vel parce ramosus, 6-10-pedalis. *Foliorum* rachis striata, 10-14 poll. longa, *foliis* 6-10 poll. longis, 2-3½ latis, brevi-petiolatis. *Flores* 5-meri. *Calycis* segmenta rotundata. *Petala* late unguiculata, medio squamata, lamina rotundata, reflexa, levi, margine involuta, squama erecta, bifida, villosa. *Discus* annularis, levis. *Stamina* 8. *Stylus* brevissimus. *Stigma* minutum, 3-lobum. *Fructus* carnosus, luteus, lobis circiter 1 poll. longis. *Semina* ovoides, arillo carnoso hyalino integro inclusa, testa membranacea, rufa, cotyledonibus crassis, membrantibus

2. **N. simplicifolium**, Thw.; *foliis* integris, cuneato-lanceolatis, acuminatis, levibus, membranaceis, reticulatis, *paniculis* brevibus, subterminalibus, minutissime tomentosis. — c. p. 1153.

HAB. South of the island, at no great elevation; rare

Frutex erectus, 6-10-pedalis, parce ramosus. *Folia* 8-12 poll. longa, 2½-4 poll. lata, *petiolo* ½-2 poll. longo. *Flores* 5-meri. *Calycis* segmenta rotundata. *Petala* exungiculata, rotundata, ciliata, basi squamula parva villosa minuta. *Discus* regularis, levis. *Stamina* 8, *ovarii* indumentum 3-lobatum cingentia.

Until the fruit of this species is known, there must remain some little doubt as to whether it is a true *Aspethium*. I have as yet seen only very young male flowers of it.

3 **N. bifoliolatum**, Thw., *foliolis* 2-jugis, integris, lanceolatis, obtusiusculis, basi angustatis, glabris, *paniculis* terminalibus, foliis aequilongis vel longioribus — c. p. 1721

HAB. Lower Badulla Road from Kandy, at no great elevation. (Flor. April)

Arbor mediocris, 20-30-pedalis, ramosissima. *Folioda* superne nitida, reticulata, subtus opaca, fuscescentia, 3-5 poll. longa, 1-1½ poll. lata, *petiolo* 2-3 lin. longo, *petiolo* ½-1 poll. longo terminalia. *Panicula* pilosula. *Flores* 5-meri. *Calycis* segmenta rotundata, glabra, ciliata. *Petala* parce longiora, oblonga, glabra, ciliata, abrupte brevi-ungiculata, basi squamula parva rotundata longe ciliata minuta. *Discus* carnosus, crenulatus. *Stamina* brevissime 7. *max. filamentis* linearibus, *petala* aequantibus, basi pilosis, *seem* brevibus, *ovarium* glabrum bilobum cingentibus. *Stylus* linearis. *Stigma* minutum, obscure bilobum.

4. **N. eximium**. — *Eccremanthus eximius*, Thw. in Hook. Journ. of Bot. vii. p. 272. t. 9; *foliis* magnis, abrupte pinnatis, subsessilibus, *foliolis* 5-13-jugis, oblongo-lanceolatis, serratis, subsessilibus, subtus hirsutulis, pare inferiore minore, obliquo, curvato, sæpe deciduo; *pani-*

culis tomentosis, ramis elongatis, pendulis, multifloris, cylindricis ; *floribus* minutis.—c.p. 1153.

HAB. Central Province, at an elevation of 1000 to 2000 feet. (Flor. Maio ; fruct. Juho)

Arbor magna, 40-60-pedalis *Ramuli* juniores rufo-hirsuti. *Flores* 5-meri *Calyces* segmenta brevina, subacuta *Petala* minuta, transverse oblonga, exanguiculata, *squama* adnata subaequilonga margine dense villosa munita. *Discus* carnosus, rufescens *Stamina* 5, *petalis* multo longiora *Ovarium* bilobum, hirsutulum, *stilo* lineari, *stigmatibus* minuto, bilobo *Fructus* carnosus, subglaber, saepissime 1-lobus. *Semen* oblongum, *arillo* hyalino fere tectum, hilo magno obliquo, *testa* rufa.

†† *Petala* exappendiculata.

5. **N. Longanum**, Camb. (W. et A. Prod. i. 113, cum syn.)—*N. Mora*, Gardner, MSS. *Dimocarpus pupilla*, Moon's Cat. p. 31.—c p. 1152.

HAB. Abundant up to an elevation of 2000 feet. Nom. vulg. "Mora-gass."

Ramuli, cum partibus aliis junioribus, tomento stellari rufescente vestiti *Fructus* immaturus tuberculatus, stellari-tomentosus, demum glaber, levis, *arillo* plus minus copioso

The Cinghalese eat the fleshy aril of the fruit of this tree, and the wood is useful for building purposes

6. **N. Gardneri**, Thw ; *foliis* abrupte pinnatis, subglabris, *foliolis* 2-3-jugis, lanceolatis, grosse et obtuse dentatis, brevi-petiolulatis, subtus glaucis —c p. 1154.

HAB. Putlam, Gardner.

Præcedenti valde similis affinisque, sed foliis dentatis, sepalis petalisque acutioribus, et pubescentia vix stellari satis distincta videtur

††† *Petala* nulla

7. **N. fuscatum**, Thw, *folius* abrupte pinnatis, glabris ; *foliolis* 2-jugis, lanceolatis, obtusis vel retusis, basi cuneatis, reticulatis, brevi-petiolulatis ; *racemis* terminalibus, minute fusco-pilosis, ramosis, *ramis* densifloris, spicæformibus.—c.p. 2577.

HAB. Putlam, Gardner.

Foliola 3-4 poll. longa, $\frac{1}{2}$ -1 $\frac{1}{2}$ poll. lata *Flores* minuti *Calyces* segmenta acuta *Discus* complanatus, crenatus *Stamina* 8-10, glabra

I have not seen the fertile flowers or fruit of this plant.

7. SCHLEICHERA, Willd.

1. **S. trijuga**, Willd. (W. et A. Prod. i. 114, cum syn.)—c.p. 1155.

HAB. Common in the warmer parts of the island, up to an elevation of 2000 feet. Nom. vulg. "Cōng-gass."

The Cinghalese express an oil from the seeds of this tree, which they use for burning, and a considerable quantity of lac is often produced upon the young branches

8. PTERIDOPHYLLUM, Thw.

Hook. Journ. of Bot. vol. vi (1854) p. 65.

Flores polygamo-monoici. *Stamina* 5, disco natus complanato crenato inserta. *Ovarium* rotundatum, biloculare. *Orula* in loculis solitaria,

pendula, anatropa. *Stylus* linearis. *Stigma* minutum, bilobum. *Fructus* drupaceus, sæpissime 1-spermus; *putamine* membranaceo. *Semen* exarillatum; *testa* membranacea; *cotyledonibus* foliaceis, plicatis; *radicula* dorsali, hilo fere attingente.

1. **P. decipiens**, Thw. l. c. t. 1 *B*—*Rhus decipiens*, W. et A. Prod. i. 172; Wight, Illust. i. 186. t. 75.—c. p. 536.

HAB. Central Province, up to an elevation of 3000 feet. Nom. vulg. "Pehumbia-gass." (Flor. Jan.; fruct. Mar.)

The wood of this very ornamental tree is useful for building purposes

9. DODONÆA, Linn.

1. **D. Burmanniana**, DC (W. et A. Prod. i. 114. cum syn.; Wight, Illust. i. 142. t. 52.)—c. p. 1158

HAB. Central Province, up to an elevation of 7000 feet. Nom. vulg. "Attawarella-gass."

10. MELIOSMA, Blume.

Millingtonia, Roxb., W. et A.

1. **M. pungens**, Walp. Rep. i. 423—*Millingtonia pungens*, Wall.; W. et A. Prod. i. 115. cum syn.; Wight, Icones. t. 964/3—c. p. 300 (580).

HAB. Central Province, at an elevation of 5000 to 7000 feet.

Folia subintegra vel distanter serrulata, superne, costa vems primariisque exceptis, glabra (juniora sparse pilosa), subtus plus minus hirsuta

2. **M. simplicifolia**, Walp. l. c.—*Millingtonia simplicifolia*, Roxb., W. et A. l. c. cum syn.—c. p. 703

HAB. Abundant up to an elevation of 3000 feet. Nom. vulg. "Albadda-gass," "Rawamiddala-gass."

3. **M. Arnottiana**, Walp. l. c.—*Millingtonia Arnottiana*, Wight, Illust. i. 144 t. 53.—c. p. 293.

HAB. Central Province, at an elevation of 4000 to 7000 feet.

XLII. MELIACEÆ.

1. MUNRONIA, Wight

1. **M. pumila**, Wight, Icones, t. 91.—c. p. 177.

HAB. Not uncommon in the warmer parts of the island. Nom. vulg. "Bin-kohōmba-gass."

This is much valued by the Cinghalese as a medicinal plant

2. MELIA, Linn.

1. **M. composita**, Willd. (W. et A. Prod. i. 117. cum syn.)—c. p. 699.

HAB. South of the island. Nom. vulg. "Loonoomidella-gass."

3. AZADIRACHTA, Adr. Juss.

1. **A. Indica**, Adr. Juss (W. et A. l. c. 118. cum syn.; Wight, Icon. 396.)—c. p. 1159.

HAB. Hot, drier parts of the island, at no great elevation. Nom. vulg. "Kohōmba-gass."

The juice of the leaves of this plant is employed as an anthelmintic for cattle

4. *MALLEA*, Adr. Juss.

1. *M. Rothii*, Adr. Juss. (W. et A., l c. cum syn.)—c p. 496

HAB. Very abundant, up to an elevation of 2000 feet.

5. *MILNEA*, Roxb.

1. *M. Roxburghiana*, W. et A. Prod. i. 119, Wight, Icon. t. 166—c.p. 1148

HAB. Common in the Central Province, up to an elevation of 3000 feet.

This and the next species are polygamo-dioecious the barren flowers being smaller and in larger panicles than the fertile ones

2. *M. apiocarpa*, Thw.; *foliis* imparipinnatis, *foliolis* 5-9, ovatis, obtuse acuminatis, basi cuneatis, *junioribus* subtus spadiceo-furfuraceis, *floribus* pedicellis brevioribus, *fructibus* pyriformibus—c p. 105, 2448

HAB. Central Province, at an elevation of 3000 to 6000 feet

Arbor parva. Ramuli juniores spadiceo-furfuraci. *Petala* externe lufuracea. *Cotyledones* singulae in duos partes plus minus inaequales fere ad basin divise

Closely allied to the preceding, but differing in its larger and more furfuraceous leaves and flowers. In the present species the flowers are shorter than their pedicels, whereas in *M. Roxburghiana* they are longer

6. *AMOORA*, Roxb.

1. *A. Rohituka*, W. et A. Prod. i. 119—c p. 558, 2479

HAB. Central Province, up to an elevation of 3000 feet. Nom. vulg. "Hingool-gass"

Fructus subglobosus, infesccns, 1-1½ poll in diam, basi pinnam attenuatus. *Semina* oblonga, binuclea, arillo coarctato vestita

7. *DYSOXYLON*, Blume.

1. *D. macrocarpum*, Blume. Bijdr. p. 175—*Guarea binectarifera*, Roxb. Cat. ? *Amoora fiefiformis*, Wight, Illust. i. 117.—c.p. 2637 (1150 in parte).

Var. β , *foliis* minoribus, angustioribus.

HAB. Central Province, up to an elevation of 3000 feet. Var. β Batticaloa, *Gardner*.

Arbor ingens. Foliola 5-8 poll longa, 1½-3 poll lata, *petiolulo* 4 lin longo. *Panicle* supra-axillares, 3-5 poll longae, minutissime meano-tomentosae, sparsiflorae, *pedicellis* articulatis. *Flores* pallide virides, octandri, cunctae 3 lin longi. *Calyx* cupuliformis, 4-emarginatus. *Petala* reflexa, acuta, externe minutè tomentosa. *Tubus stamineus* 4-gonus, dentibus 8, obtusis, bifidis. *Tubus interior ovario* rotundato, piloso aequilongus, denticulatus. *Fructus* rubescens, rotundatus, 4-locularis, 4-spermius, cunctae 2½ poll in diam., brevi-pedunculatus

I suspect I have not seen the fertile flowers of this plant, for, judging from the

fruit being so shortly peduncled, it would seem probable that they are on much shorter panicles or racemes

2. **D. Championii**, H.f. et T. MSS.; *foliis* glabris, abrupto pinnatis; *foliolis* 2-3-jugis, oblongo-spathulatis, suboriaceis, avenis, apice rotundatis.—c.p. 1193, 3596.

HAB. Central Province, up to an elevation of 4000 feet.

Arbor magna *Foliola* 2-4 poll. longa, $\frac{3}{4}$ -1 $\frac{1}{2}$ poll. lata. *Panicula* supra-axillares, 2-3 poll. longæ, minutissime pilosula. *Flores* octandri, flavescentes, circiter 3 lin. longi. *Calyx* brevis, 4-lobus *Petala* glabra, acuta *Tubus stamineus* dentibus 8, obtusis, bifidis *Tubus interior* nullus *Fructus* pyriformis, pollicaris, *loculus* 1-2-spermis

This differs from the other species of *Dysorylon* in having no inner tube surrounding the ovary

8. WALSURA, Roxb

1. **W. piscidia**, Roxb (W. et A. Prod. i. 120, cum syn.; Wight, Illust. i. 148. t. 55.)—c.p. 1162.

HAB. Common up to an elevation of 3000 feet. Nom. vulg. "Kirrekōng-gass."

2. **W. Gardneri**, Thw.; *folius* unfoliolatis, glabris, *foliolo* integro, ovato, obtuse-acuminato; *petiolulo* brevi, cum *petiolo* multo longiore articulado.—c.p. 1163

HAB. Central Province, at an elevation of 2000 to 4000 feet

Arbor parva, 10-12-pedalis. *Foliola* 3-6 poll. longa, 1 $\frac{1}{2}$ -2 $\frac{1}{2}$ lata, *petiolulo* 1-3 lin. longo *Fructus* oblongus, parum apiculatus, 6-8 lin. longus

The flowers of this are very similar to those of the preceding species, but the fruit is larger and more oblong. The axis of the panicle is most frequently produced into a leaf-branch, in which case the inflorescence appears scattered along the stem

9. XYLOCARPUS, Komg.

1. **X. Granatum**, Kōb. (W. et A. Prod. i. 121, cum syn.)—c.p. 2650

HAB. South of the island; not common.

XLIII. CEDRELACEÆ

1. CHICKRASSIA, Adr. Juss.

1. **C. tabularis**, Adr. Juss. (W. et A. Prod. i. 123; Wight, Illust. i. 149. t. 56.)

Var. β , *foliis* subtus tomentosis.—c.p. 2154.

HAB. Warmer parts of the island. Nom. vulg. "Hoolanghik-gass."

The wood of this tree is useful for building purposes

2. CHLOROXYLON, DC.

1. **C. Swietenia**, DC. (W. et A. Prod. i. 123, cum syn.; Wight, Illust. i. 149. t. 56 bis.)—c.p. 1160.

HAB. Hot, drier parts of the island. Nom. vulg. "Booroota-gass."

This tree yields the satin-wood of commerce

XLIV. AMPELIDEÆ.

1. CISSUS, Linn.

1. **C. edulis**, Dalz. in Hook. Lond. Journ. of Bot. ix. p. 248.—*C. quadrangularis*, Roxb. (non Linn.). *Vitis quadrangularis*, Wall. : W. et A. Prod. i. 125 ; Wight, Icones, t. 51.—c.p. 1174.

HAB. Common in the hot, drier parts of the island.

The Cinghalese use the succulent stems of the plant as a medicine.

2. **C. glyptocarpa**, Thw. ; *ramulis* tenuibus, 4-angulatis ; *foliis* truncato-cordatis, acuminatis, serratis, glabris, subtus basi, costa nervisque adpresse pilosis ; *stipulis* cymbiformibus, *cymis* petiolo longioribus, medium versus 3-5-radiatis, glabris.—c.p. 1183.

HAB. Hot, drier parts of the island.

Folia 2-3 poll longa, 1-1½ lata ; *petiolo* alato, ½-1½ poll longo. *Flores* parvi, rufescentes. *Petala* acuta, reflexa. *Stylus* cylindricus. *Stigma* minutum, bilobum. *Nuculania* oblonga, 3½ lin. longa, 1-sperma, nigro-purpurea. *Seena* pyriforme, dorso 6-seriatim excavato-punctatum, antice 2-sulcatum.

3. **C. repens**, Lam. (W. et A. Prod. i. 125, cum syn.)—c.p. 1180.

HAB. Warmer parts of the island ; not uncommon.

4. **C. acuminata**, Thw. ; *ramulis* teretibus ; *foliis* membranaceis, truncato-cordatis, rostrato-acuminatis, denticulatis, glabris, superne costa venis primariisque adpresse pilosis, longe petiolatis, *cymis* spadicico-tomentosis, petiolo multo brevioribus.—c.p. 3451.

HAB. Ratnapoora District.

Folia 5-7 poll longa, 2½-4 poll lata. *petiolo* 2½-3½ poll. longo. *Stipulae* reniformes, medio adnatae. *Petala* externe pilosa.

Closely allied to the preceding species, but differing from it in the shape and texture of the leaves, and in these being usually five-nerved at the base, whereas in *C. repens* they are most commonly three-nerved, in the latter, too, the lamina is produced below the point of attachment of the petiole, giving the leaf a subpetiolate character, but it is not so in the present species.

5. **C. glauca**, Roxb. Fl. Ind. i. 425.—*Vitis glauca*, W. et A. Prod. i. 126.—c.p. 2939.

HAB. Abundant, up to an elevation of 2000 feet.

6. **C. lonchiphylla**, Thw. ; glabra, *foliis* oblongo-lanceolatis, acuminatis, remote denticulatis, basi truncato-rotundatis, 3-nerviis, parum subpetiolatis ; *cymis* brevi petiolo longioribus.—c.p. 1177.

HAB. Ambagamowa District, at no great elevation ; rare. Muruta, Gardner.

Folia 4-7 poll longa, 1½-2½ poll lata, *petiolo* 3-6 lin. longo. *Stipulae* coriatae, medio adnatae. *Flores* parvi. *Nuculania* rotundata, depressa.

7. **C. adnata**, Roxb.—*Vitis adnata*, Wall. ; W. et A. Prod. i. 126, cum syn. ; Wight, Icones, t. 144.—c.p. 3450.

HAB. Warmer parts of the island ; not uncommon.

8. **C. angulata**, Lam.—*Vitis Linnæi*, Wall. ; W. et A. Prod. i. 126, cum syn.—c.p. 1181.

HAB. Hot, drier parts of the island ; common.

9. **C. trilobata**, Lam.—*Vitis Rheedii*, W. et A. Prod. i. 127, cum syn.—c.p. 1182.

HAB. Warmer parts of the island, common.

10. **C. setosa**, Roxb.—*Vitis setosa*, Wall.; W. et A. Prod. i. 127, cum syn.; Wight, Icones, t. 170.—c.p. 1179.

HAB. North of the island, *Gardner*.

11. **C. carnosa**, Lam.—*Vitis carnosa*, W. et A. Prod. i. 127, cum syn.—c.p. 2938.

HAB. Warmer parts of the island; common.

12. **C. muricata**.—*Vitis muricata*, Wall.; W. et A. Prod. i. 128, cum syn.; Wight, Icones, t. 740. ? *C. papillosa*, Bl. Bijdr. p. 183.

Var. β . *minor*—c.p. 1178.

HAB. Central Province, up to an elevation of 3000 feet; not uncommon.

Folia simplicia vel 2-3-foliolata; *foliolis* 2-3½ poll. longis. *Nuculana* alba, 3-5 lin. in diam., 1-4-sperma

I can find no character but its smaller size to distinguish this from the plant figured by Dr Wight.

13. **C. Gardneri**, Thw.; glabra, *foliis* 3-foliolatis; *foliolis* ovato-lanceolatis, repando-dentatis, brevi-petiolatis, basi emicatis; *lateralibus* minoribus obliquis; *stipulis* cordato-oblongis, aduatis; *cymis* petiolo multo longioribus.—c.p. 1176.

HAB. Matele and Hunasgiri Districts; not common.

Ramuli teretes, infuscentes. *Folia* petiolo circiter 1 poll longo, *foliolo* intermedio 2-3 poll longo, 1-1½ poll lato. *Cymæ* paucifloræ, rufescentes. *Nuculana* pisi magnitudine, nigro-purpurea

14. **C. lanceolaria**, Roxb.—*Vitis lanceolaria*, Wall.; W. et A., l c. cum syn.; Wight, Icones, t. 28 et 177.—c.p. 3597.

HAB. Near Nakande.

It seems probable that *C. muricata* is only a form of this species, as suggested by Wight and Arnott.

15. **C. pedata**, Lam.—*Vitis pedata*, Wall., W. et A. Prod. i. 128, cum syn.—c.p. 1175, 2725

HAB. Very abundant. Nom. vulg. "Madeya-wel"

Varies very much in the amount of pubescence, sometimes being nearly glabrous.

16. **C. reticulata**, Thw.; glabra, *foliis* 3-foliolatis, *foliolis* subequalibus, ovatis, cuspidatis, obscure denticulatis, subtus prominenti-reticulatis, basi angustatis; *lateralibus* obliquis, *cymis* petiolo longioribus.—c.p. 2857.

HAB. Ambagamuwa District, rare

Folia petiolo 1½-2½ poll longo, *foliolis* 4-5 poll longis, 2-2½ poll latis; *petiolulis* *lateralibus* 3-6 lin longis, *intermedio* pollicari. *Nuculana* ovoidea, pallide rosea, cerasi magnitudine. *Semina* oblonga, 4 lin longa.

Closely allied to some forms of the preceding, but its differently-shaped and reticulated leaves at once distinguish it. The fruit is larger and somewhat attenuated at the apex, and the seeds, though with similar markings, are half as long again as those of *C. pedata*. The ternate character of the leaflets will probably be found not to be constant

2. VITIS, Linn.

1. **V. Indica**, Linn. (W. et A. Prod. i. 131, cum syn.)—c.p. 1184

HAB. Abundant, up to an elevation of 3000 feet

3. **LEEAE**, Linn.

1. **L. Staphylea**, Roxb. (W. et A. Prod. i. 132, cum syn.; Wight, Illust. i. 153. t. 58; Wight, Icon. t. 78.)—c.p. 732

HAB. Very common, up to an elevation of 3000 feet. Nom. vulg. "Booroola-gass."

XLV. GERANIACEÆ.

1. **GERANIUM**, Linn.

1. **G. Nepalense**, Sweet, Ger. t. 12; DC. Prod. i. 643.—*G. affine*, W. et A. Prod. i. 133.—c.p. 2788.

HAB. Between Newera Elba and Maturatte, at an elevation of 7000 feet; not common.

XLVI. OXALIDEE.

1. **OXALIS**, Linn.

1. **O. corniculata**, Linn. (W. et A. Prod. i. 142, cum syn.)—*O. repens*, Thunb., DC. Prod. i. 693—c.p. 1189.

Var. *β. minor*—c.p. 1188.

HAB. Central Province, abundant up to an elevation of 7000 feet.

2. **BIOPHYTUM**, DC.

1. **B. sensitivum**, DC. Prod. i. 690, cum syn.—c.p. 1190.

HAB. Very abundant in the warmer parts of the island.

2. **B. nudum**, Arn. Pug. viii. 326, Wight, Illust. i. 161—c.p. 161 (6 in parte)

HAB. Central Province, at an elevation of 4000 to 6000 feet.

The leaflets of this species are less falcate and of a finer texture than those of the preceding, of which it is perhaps only a variety, and which it resembles in its subglabrous styles, shorter than those of the two following species.

3. **B. proliferum**, Arn. Pug. ix. 327, Wight, Illust. i. 162.—c.p. 2418

Var. *β. foliis majoribus, foliis plus numerosis*.—*B. intermedium*, Wight, l.c.—c.p. 2419 (6 in parte)

HAB. Central Province, at an elevation of 4000 to 7000 feet.

Besides the difference of habit, the longer pilose styles distinguish this from the two preceding species.

4. **B. nervifolium**, Thw., caule simplic. foliis circiter 12-jugis, obovato-oblongis, obtuse apiculatis; *caulis* primariis paucis divaricatis, subtus prominentibus, *pedicellis* floribus brevioribus, *stylis* longis, pilosis, apice bifidis—c.p. 2787.

HAB. Putlam, A. O. Brodie, Esq.

In habit and general appearance this a good deal resembles *B. sensitivum*, but the different shape and venation of the folioles, and the longer, hairy styles, seem satisfactorily to distinguish it.

XLVII. BALSAMINEÆ.

1. IMPATIENS, Linn.

(Nom. vulg. "Koodaloo-mal")

Sect. 1. *Foliis oppositis.*

1. **I. rosmarinifolia**, Retz, (Arn. in Comp. to Bot. Mag. i. 325, cum syn.; Walp. Rep. i. 475.)—c.p. 31.

HAB. Very abundant, especially amongst high grass, from the level of the sea to an elevation of 7000 feet.

Sect. 2. *Foliis alternis. Pedicellis axillaribus, solitariis vel pluribus.*

2. **I. Balsamina**, Linn. (W. et A. Prod. i. 135, cum syn.)—c.p. 1213

HAB. Central Province, at an elevation of 3000 to 6000 feet.

3. **I. cuspidata**, W. et A. Comp. to Bot. Mag. i. 321; Walp. Rep. p. 468; Wight, Icones, t. 741.—c.p. 156.

Var. *β. foliis longioribus*.—*I. bipartita*, Arn. l. c. i. 322; Walp. Rep. p. 468—c.p. 503

HAB. Var. *α*. Above Galagama, Gardner. Var. *β* Central Province, at an elevation of 4000 to 7000 feet.

I can find nothing to distinguish var *β* from the other form of the plant but its longer, narrower leaves, and these with rather more numerous and less distinct primary veins. The flowers are of a dull reddish-purple in both the relative size of the anterior lobe of the petals varies a good deal in different specimens

4. **I. Henslowiana**, Arn. l. c., Walp l. c. p. 469—c.p. 49.

Var. *β. foliis tomentosis*.—*I. albida*, Wight, Icones, t. 743.—c.p. 547.

HAB. Central Province, at an elevation of 4000 to 6000 feet; on rocks.

The smoother variety of this species agrees very completely with Dr Arnott's description, except that the posterior sepal is not three-lobed, but two-lobed, with a wide sinus. The flowers are white, or slightly tinged with red

5. **I. flaccida**, Arn. l. c. p. 322; Walp. l. c. p. 468.—*I. latifolia*, Moon's Cat. p. 18.—c.p. 2791.

HAB. Abundant, up to an elevation of 3000 feet.

Herbacea, decumbens. Flores rubro-purpurei, pallidi vel rarius candidi, 1-1½ poll. in exp. Sepalo posteriore obcordato, carinato, petalorum lobis subaequalibus, rotundatis, emarginatis. Semina juniora pilis patentibus densius vestita

I do not find the spur in this species thicker towards the middle, and the appearance was probably caused in Dr. Arnott's specimen by unequal pressure in drying. This must be closely allied to, if not a variety of, *I. latifolia*, Linn., judging from the figure in Rheede, Hort. Mal. ix. 91 t. 48; and the last paragraph in the description of t. 52, page 101, in the same volume, would seem to imply that the former has smooth capsules, though it is referred by Messrs Wight and Arnott to a species with them tomentose.

6. **I. leptopoda**, Arn. l. c. p. 321.—*I. brevicornu*, Arn. l. c. *I. gibbosa*, Arn. l. c.; Walp l. c. pp. 468, 469. *I. Leschenaultii*, Wight, Icon. t. 970 bis.—c.p. 140 (455).

HAB. Central Province, at an elevation of 5000 to 8000 feet.

Erecta, 1-3-pedalis. Petala rosea, divergentia, lobis subaequilongis, posteriore parum latiore, emarginato. Capsulae glabrae.

A very common, and also a very variable species, and the flowers are frequently quite ecalcarate. The scattered, brittle, yellow pubescence sometimes upon the

plant, would seem to be of an abnormal character, and perhaps the absence or reduced size of the spur arises from disease or injury. *I. Leschenaultii* of Dr Wight's 'Icones,' closely resembles some states of the present; but in that the petals appear to be approximated, whilst in this they are divergent.

7. ***I. truncata***, Thw.; *foliis ovato-lanceolatis*, acuminatis, denticulatis, sparse utrinque pilosis, basi angustata petioloque parce glanduloso-setigeris; *pedicellis* 1-3-ls, tenuibus, una cum alabastris pilosis, foliis brevioribus; *sepalis lateralibus* minutis, lanceolatis, *posteriore* multo majore, rotundato, cuspidato, *antere* hoc aequilongo, cuspidato, concavo, *calcare* recto, brevi, cylindrico, truncato; *petalis* approximatis, inaequaliter bilobis, lobo anteriore multo majore, subsemicirculari; *cap-sulis* junioribus pilosis.—c.p. 2126.

Var. β . *subglabra*; planta fere tota glabra.

HAB. Central Province, at an elevation of 4000 to 6000 feet.

Herbacea, 1-2-pedalis, basi decumbens, radicans *Ramuli* rufescentes. *Folia* 1-2 poll longa, $\frac{1}{2}$ -1 $\frac{1}{2}$ poll lata, subtus pallidiora, *petiolo* $\frac{1}{2}$ -1 $\frac{1}{2}$ poll longo *Flores* pallide rosae, externe rufescentes, *petalorum lobis* basi rufotinctis.

Apparently very closely allied to *I. inconspicua*, Benth, Wight, Icon. t. 970, but is distinguished by its alternate leaves, spurred flowers, and much smaller, lateral sepals.

8 ***I. macrophylla***, Gardner, MSS.; Hook. Bot. Mag. 4662.—c.p. 1212.

HAB. Central Province, at an elevation of 4000 to 6000 feet.

Sepala lateralia anguste oblonga, *posteriore* 3-4-plo breviora *Petala* lutea, sub-biloba, apice exserta, inclusa.

Nearly allied to, and in its foliage closely resembling the next species, but distinguished by its more numerous flowers, shorter and less saccate lower sepal, and included petals.

9. ***I. glandulifera***, Arn. in Hook. Comp. Bot. Mag. n. 322.—*I. con-nigera*, Hook. Bot. Mag t. 4623, non Arn.—c.p. 2127.

HAB. Central Province, at an elevation of 4000 to 6000 feet.

Caulis erectus, 1-6-pedalis *Folia* magniscula, denticulata, longe petiolata. *Pedi-celli* fasciculati, petiolis glanduloso-setigeris breviores *Sepala lateralia* minuta, viridia, *posterior* emarginatum, viride, margine rufescente, *anterior* luteo-rufescens, profunde saccatum, in calcar breve incurvum apice incrassatum angustatum. *Petalula* rosca, lobis subaequalibus, rotundatis; *posteriore* interne appendiculato, *antere* porrecto, exserto, apice emarginato.

10 ***I. repens***, Moon's Cat.; Wight, Illust. i. 160. t. 61; Walp. l. c. p. 469 —c.p. 2790.

HAB. Southern and central parts of the island, at no great elevation.

Sect. 3 — *Foliis alternis; pedunculis flores plures gerentibus*.

11. ***I. Walkeri***, Hook. (Arn. l. c p. 324. t. 18; Walp. l. c. p. 471.)—c.p. 1211.

HAB. Central Province, at an elevation of 4000 to 6000 feet.

12. ***I. Hookeriana***, Arn. l. c p. 324; Walp. l. c p. 471.—*I. grandis*, Heyne; Roxb. Fl. Ind. (ed. Wallich) n. 461—c.p. 2425.

HAB. Central Province, at an elevation of 3000 to 5000 feet.

I strongly suspect that this beautiful species is identical with *I. grandis*, Heyne. It varies a good deal in the shape of the lateral sepals, and in the size and colour of the flowers, which latter are either quite white or more or less blotched with pale or deep blood-colour.

13. **I. elongata**, Arn. l. c. p. 324; Walp. l. c. p. 473.—c.p. 436 (453).

HAB. Near Adam's Peak, at an elevation of 3000 to 4000 feet.

Flores rubri. *Petalorum lobus posterior* parvus, sepalis lateralibus æquilongus; *anterior* multo major, oblique rotundatus, obtusus.

14. **I. subcordata**, Arn. l. c. p. 323; Walp. l. c. p. 471.—c.p. 1230 and 2789.

HAB. Central Province, at an elevation of 3000 to 6000 feet.

Herbacea, 1-2-pedalis, basi decumbens, radicans. *Folia* $1\frac{1}{2}$ - $2\frac{1}{2}$ poll. longa, $\frac{3}{4}$ - $1\frac{1}{2}$ poll. lata, *petiolo* $\frac{3}{4}$ -2 poll. longo. *Flores* albi, sepalis lateralibus posterioreque rubescentibus.

15. **I. cornigera**, Arn. l. c. p. 323; Walp. l. c. p. 473.—c.p. 332.

HAB. Warmer parts of the island, at no great elevation, in damp, shady woods.

Glaberrima. *Caulis* simplex $\frac{1}{2}$ -2-pedalis. *Folia* pallide vel nigro-viridia, sæpe ad costam albido-areolata, subtus pallida vel rufo-plumbea, *petiolo* medioeris. *Flores* citrini, plus minus viridi vel rubro tincti. *Sepala* lateralibus parva, ovata, subcordata, acuminata, *posterior* rotundatum, subemarginatum, apiculatum, *anterior* in calcar longum subcylindricum apice attenuato summi arcu emarginato productum. *Petalorum lobus posterior* minutus; *anterior* multo major, subquadratus, pedicello æquilongo suffultus.

16. **I. Arnottii**, Thw.; *foliis* ovato-lanceolatis, acuminatis, crenatis, denticulatis, superne sparassime pilosis, subtus glabris, basi angustatis, *petiolo* eglanduloso; *sepalis lateralibus* parvis, cordatis, valde obliquis, obtuse apiculatis, *anterior* in calcar gracile incurvum sensim attenuatum flore duplo longius productum, *petalorum lobo posteriore* parvo, *anterior* multo majore, subsemicirculare, pedicellato, porrecto.—c.p. 725.

HAB. Central Province, at an elevation of 1000 to 3000 feet, not common.

Pæcedente valde affinis simili-que, sed sepalorum lateralium, calcaris petalorum-que forma satis differt.—*Flores* rubro-purpurei, medio luteo-tincti. *Capsula* 1-3-sperma.

17. **I. linearis**, Arn. l. c. p. 323; Walp. l. c. p. 473.—c.p. 372.

HAB. Adam's Peak, at an elevation of 4000 to 6000 feet.

18. **I. appendiculata**, Arn. l. c. p. 323, Walp. l. c. p. 473.

Var. *a*.—*I. candida*, Lindl. Bot. Reg. new series, vol. xii.; Misc. 85. n. 204; Walp. l. c. p. 475.—c.p. 1207.

Var. *β*.—c.p. 1208.

Var. *γ*, *foliis* majoribus, pilosioribus.—c.p. 1209.

HAB. Southern and central parts of the island, at an elevation of 2000 to 5000 feet.

Species valde variabilis. *Folia* ad canis sæpissime simplicis apicem aggregata, vel sparsa, $\frac{1}{2}$ -6 poll. longa, subglabra vel pilosa. *Flores* albi vel pallide rosei, *sepalo anteriore* transverse rubro-striato. *Petalorum lobus posterior* parvus, lanceolatus, longe caudatus, *anterior* major, semicordatus, acuminatus.

19. **I. leucantha**, Thw.; herbacea, pusilla, simplex, *foliis* ad canis apicem approximatis, lanceolatis, acuminatis, denticulatis, parce pilosis, versus basin *petiolo*que subalato glanduloso-setigeris, *sepalo anteriore* in calcar æquilongum rectum conicum apice (siccum) subabrupte attenuatum productum; *petalorum lobo posteriore* parvo, lanceolato, *anterior* multo majore, inæqualiter 3-partito, apicibus rotundatis.—c.p. 3548.

HAB. Himdoon and Kittool Galle.

A præcedente, cui valde similis affinisque, calcaris petalorumque forma præcipue differt Flores albi, *sepalo anteriore* rufo-guttato.

20. **I. janthina**, Thw. ; herbacea, pusilla, simplex, glaberrima; *foliis* 1-4, sæpiissime caulem terminantibus, membranaceis, ovatis vel rotundatis, acuminatis, denticulatis, *petiolo* eglanduloso; *sepalis* lateralibus minoribus, oblongis, subacutis, *posteriore* rotundato, cucullato, *antere* infundibuliformi, in calcar æquilongum sensim attenuatum incurvatum producto; *petalorum lobis* subæqualibus, *posteriore* acuto, *antere* subrotundato, obtuso.—c.p. 3003.

HAB. Himdoon and Pasdoon Corles, at no great elevation; rare.

Folia 1-4 poll. longa, $\frac{3}{4}$ -3 poll. lata, *petiolo* $\frac{1}{2}$ -2 poll. longo. *Pedicelli* pollicares, ad *pedunculi* elongati apicem in racemum brevem aggregati; *bracteis* ovalibus, persistentibus Flores violacei, 6-8 lin. in cyp. *Capsule* polyspermæ.

21. **I. acaulis**, Arn. l. c. p. 325.—? *I. rivalis*, Wight, Icon. t. 751.—c.p. 490 (2595).

HAB. Central Province, at an elevation of 3000 to 5000 feet, on wet rocks; abundant.

Folia rotundata, ovata vel lanceolata, *petiolo* rufescente æquilonga vel multo breviora, parce pilosa vel subglabra. *Scapi* rufescentes Flores rubri, 1-1 $\frac{1}{2}$ poll. in cyp. *calcare* æquilongo vel parum longiore *Petalorum lobi* æquilongi, *anterior* lator, oblique truncatus vel emarginatus.

Dr Wight's *I. rivalis*, figured with the anterior lobes of the petals bipartite, is probably only a form of the present species. *I. scapiflora*, Heyne, is described by Roxburgh as having a spur several inches in length, and therefore must certainly be different both from this and from the *I. scapiflora* of Wight's 'Icones,' t. 967.

2. HYDROCERA, Blume.

1. **H. triflora**, W. et A. Prod. i. 140, cum syn.—c.p. 1210.

HAB. Warmer parts of the island, in watery places; very abundant.

XLVIII. PITTOSPOREÆ.

1 PITTOSPORUM, Sol

1. **P. Ceylanicum**, Wight, Illust. i. 173.—? *P. floribundum*, W. et A. Prod. i. 154. ? *Celastrus verticillatus*, Roxb. Fl. Ind. i. 391. ? *Senecia Napaulensis*, DC. Prod. i. 347 —c.p. 176.

HAB. Oova District, at an elevation of 3000 to 5000 feet. Nom. vulg. "Katteya-gass."

Arbor mediocris 15-20-pedalis. *Folia* oblongo-lanceolata, cuneata, apice subacuta vel rotundata, glabra, 3-4 poll. longa, $\frac{1}{2}$ -1 poll. lata, *petiolo* cincto $\frac{1}{2}$ poll. longo Flores albi *Ovarium* pilosum *Stylus* cylindricus, glaber *Capsule* uniloculares, viridi-fuscescentes.

2. **P. tetraspermum**, W. et A. Prod. i. 154, Wight, Icon. t. 971.—c.p. 572 (685).

HAB. Central Province, at an elevation of 5000 to 7000 feet, on the banks of streams.

XLIX ZYGOPHYLLÆ.

1. TRIBULUS, Tourn.

1. **T. terrestris**, Linn. (Walp. Rep. ii. 822, cum syn.)—*T. lanuginosus*,

Linn.; DC. Prod. i. 704, cum syn.; Wight, Icon. t. 98; Illust. p. 164.—C.P. 1252.

HAB. North of the island, *Gardner*.

I. XANTHOXYLACEÆ.

1. XANTHOXYLON, Linn.

1. *X. Rhetsa*, DC. (W. et A. Prod. i. 148, cum syn.)—C.P. 3490.

HAB. Central Province, *W. H. Wright, Esq.*; near Colombo, *W. Ferguson, Esq.* Nom. vulg. "Kattoo-keena-gass."

This tree so precisely corresponds with Roxburgh's description, that there can be no doubt of its being the *Pagara Rhetsa* of that author.

2. *X. triphyllum*, Juss. (Wight, Illust. i. 169; Icon. t. 204.)—*X. Zeylanicum*, DC. Prod. i. 728, cum syn. *Brodia triphylla*, DC. l.c. p. 724, cum syn.—C.P. 538, 2501.

Var. β ; *folius* digitatis, 5-foliolatis.

HAB. Very abundant, up to an elevation of 5000 feet. Var. β . Near Ratnapoora. Nom. vulg. "Loonoo-ankenda-gass."

3. *X. tetraspermum*, W. et A. Prod. i. 148.—C.P. 386.

HAB. Central Province, at an elevation of 3000 to 5000 feet.

Frutis scandens, aculeatus. *Folia* impari-pinnata, rachis aculeata. *Foliola* 2-3-juga, cum impari, subsessilia, costulis sæpius aculeatis. *Flores* parvi, abortu dioici, tetrameri, albi, roseo-tincti. *Misc Petala* oblonga, acuta, calycis segmentis multo longiora. *Stamina* in lobis disci ovarium abortivum cingentis inserta. *Ovaria* abort. lorum apices recurvato-uncinati.

2. TODDALIÁ, Juss.

1. *T. aculeata*, Pers. (W. et A. Prod. i. 149, cum syn.)—*T. floribunda*, Wall. Plant. As. Rar. ii. 17. t. 232; Wight, Illust. i. 169. t. 66.—C.P. 1250, 2413 (1251).

HAB. Very abundant, up to an elevation of 4000 feet. Nom. vulg. "Koodoonirris-wel."

A most variable plant, as regards the shape and size of the leaflets, the extent of aculeation, and the amount of the red pubescence with which the younger parts are clothed. The large-based aculei are common to the stems of all the varieties, and therefore furnish no character for their separation.

3. CYMINOSMA, Gertn.

1. *C. pedunculata*, DC. (W. et A. Prod. i. 147, cum syn.; Wight, Illust. i. 165. t. 65.)—C.P. 1249.

HAB. Common, up to an elevation of 4000 feet. Nom. vulg. "Ankenda-gass."

Nuculania rotundata, 5-7 lin. in diam., albida.

4. AILANTHUS, Desf.

1. *A. Malabaricus*, DC. Prod. ii. p. 89, cum syn.; Wight, Icon. t. 1604.—C.P. 3456.

HAB. Near Colombo, *Mr. W. Ferguson*; district of the Seven Corles. Nom. vulg. "Koonbaloo-gass," "Wal-biling-gass."

Brucea Samalana, Roxb., is become a troublesome weed, but it does not appear to be indigenous.

LI. SIMARUBEÆ.

1. **SAMADERA**, Gærtn.

1. **S. Indica**, Gærtn. (W. et A. Prod. i. 151, cum syn.)—c.p. 2766.

HAB. South of the island; not uncommon. Nom. vulg. "Samadara-gass."

The root of this plant is used as a medicine by the Cinghalese, and so also is the fruit.

LII. OCHNACEÆ

1. **OCHNA**, Linn.

(Nom. vulg. "Mal-kaara-gass")

1. **O. squarrosa**, Linn. (Wight, Illustr. i. 172. t. 69; Roxb. Cor. i. t. 89)—c.p. 1223.

HAB. Batticaloa and Jaffna, *Gardner*.

2. **O. cordata**, Thw.; *foliis* ellipticis vel obovatis, obtusis, dentatis, basi cordatis, *racemis* ramulos foliosos terminantibus, brevibus, 3-6-floris; *sepalis* 3-5; *petalis* carpellisque circiter 7.—c.p. 1222.

HAB. Jaffna, *Gardner*.

Folia 1-2 poll. longa, $\frac{1}{2}$ -1 $\frac{1}{4}$ lata, *petiolo* circiter 1 lin. longo. *Pedicelli* pollicares, prope basin articulati. *Petala* rotundata, longe unguiculata, $\frac{3}{4}$ poll. longa. *Atheræ* filamentis plus quam duplo longiores. *Stigma* capitatum.

But for the cordate base of the leaves I should have referred this, without much doubt, to the *O. obtusata*, DC., but that author would scarcely have passed over, unnoticed, so striking a characteristic of the present species. I have not sufficient materials to give so detailed a description as would be desirable.

3. **O. Moonii**, Thw.—*O. squarrosa*, Moon's Cat.; *foliis* lanceolatis, utrinque angustatis, denticulatis, *venis* *venulisque* prominentibus; *racemis* 6-12-floris, ramulos inferiores breves denudatos terminantibus; *pedicellis* floribus subduplo longioribus, ad partem inferiorem tertiam vel quartam articulatis.—c.p. 1221.

Var. β ; *foliis* minoribus, utrinque subobtusis —c.p. 2551.

HAB. Warmer parts of the island, up to an elevation of 2000 feet. Var. β . Jaffna, *Gardner*.

Folia 3-7 poll. longa, 1 $\frac{1}{2}$ -2 poll. lata, *petiolo* circiter 1 lin. longo. *Flores* $1\frac{1}{2}$ -5 lin. longi. *Petala* 5, oblonga, *sepalis* æquilonga. *Atheræ* filamentis subduplo longiores. *Carpella* 5-7.

4. **O. rufescens**, Thw.; *foliis* lanceolatis, acumınatis, argute dentatis, nitidis, conspicue et minutissime venulosis, basi angustatis; *racemis* 6-12-floris, ramulos inferiores breves denudatos terminantibus; *pedicellis* floribus subtriplo longioribus, prope basin articulatis.—c.p. 3155.

HAB. Hundoon Corle, at an elevation of about 1000 feet.

Folia 4-6 poll. longa, circiter 1 $\frac{1}{2}$ poll. lata, *petiolo* 2 lin. longo, juniora rufescentia. *Flores* 3-3 $\frac{1}{2}$ lin. longi. *Carpella* 7-8.

Closely allied to the preceding, but distinguished by its much smaller flowers, and the relatively much shorter inferior articulation of the pedicel. In many respects it would seem to resemble the *O. nitida*, Thunb., also said to occur in Ceylon, but the character of the inflorescence is different.

5 **O. Wightiana**, Wall. (W. et A. Prod. i. 152 ? Wight, Icon

t. 223.)—*O. Heyneana*, W. et A., l. c. *O. Walkerii*, Planchon, Hook. Lond. Journ. v. 653; Walp. Ann. i. 180.—c.p. 1221.

HAB. Hot, drier parts of the island, at no great elevation.

Folia 1-2 poll. longa, $\frac{1}{2}$ - $\frac{3}{4}$ lata, *petiolo* 1 lin. longo. *Pedicelli* 4-7 lin. longi, prope medium articulati. *Flores* $3\frac{1}{2}$ -4 lin. longi.

2. GOMPHIA, Schreb.

1. *G. angustifolia*, Vahl, (W. et A. Prod. i. 153, cum syn.; et, fere sine dubio, *Walkeria serrata*, Willd. DC. Prod. i. 737, cum syn.)—c.p. 2412.

HAB. Common, up to an elevation of 3000 feet. Nom. vulg. "Bokkara-gass."

The wood of this tree, which grows to the height of thirty feet, is useful for building purposes.

LIII. STAPHYLEACEÆ.

1. TURPINIA, Ventn.

1. *T. Nepalensis*, Wall. (W. et A. Prod. i. 156; Wight, Icon. t. 972.)—c.p. 218 (563, 569).

Var. β . *montana*, *floribus* majoribus, paucioribus.—*T. pomifera*, DC. Prod. ii. p. 3, cum syn.

HAB. Var. *a*. Common in the warm, moister parts of the island. Var. β occurs abundantly in more elevated situations, up to 6000 feet. Nom. vulg. "Kankoombala-gass," "Attakirilla-gass."

Stipule interpetiolares triangulares, cito decidue. *Nervulæ* firma, subglobosa, vixidia, nigro-purpurascens, deinde emicrescens, $\frac{1}{2}$ -1 poll. in diam.

The extreme forms of this plant might easily be taken for two distinct species, but this is another instance of an elevated humid locality producing a form with fewer and larger flowers than are exhibited in the same species when growing nearer the level of the sea.

LIV. CELASTRACEÆ.

Seet. 1. *Ovarium liberum vel subliberum*

1. PLEUROSTYLIA, W. et A.

1. *P. Wightii*, W. et A. Prod. i. 157, cum syn., Wight, Icones, t. 155.—c.p. 329.

HAB. Hot, drier parts of the island, up to no great elevation.

2. MICROTROPIS, Wall.

Semina exarillata; *testa* colorata.

1. *M. Wallichiana*, Wight, MSS.; *foliis* obovato-vel oblongo-lanceolatis, acuminatis, petiolatis; *floribus* axillaribus ramulinisque, subsessilibus, confertis.—c.p. 43 (202, 374, 402).

HAB. Forests of the Central Province and Saffragam, at an elevation of 2000 to 5000 feet: abundant.

Arbor mediocris. *Folia* glabra, 2½–6 poll. longa, 1–3 poll. lata, *petiolo* 2–4 lin. longo.

This would appear to differ from *M. garciniaefolia*, Wall. (Wight, Icon. t. 761), principally in its subsessile, more numerous flowers, and it will probably prove to be merely a variety of that species.

2. *M. ramiflora*, Wight, Icones, t. 977.—c.p. 148, 1228.

Var. β ; *foliis* minoribus, oblongo-lanceolatis, basi angustatis.

HAB. Abundant at Newera Ellia and other of the more elevated parts of the Central Province. Var. β occurs in rather dry situations.

Folia 1–3 poll. longa, ½–2 poll. lata, *petiolo* 1–2 lin. longo. *Pedunculi* ½–2 lin. longi.

This, like the preceding, is a very variable species, the size, form, and texture of the leaves being modified according to the kind of situation in which it occurs. Var. β bears a considerable general resemblance to *M. microcarpa*, Wight, Icones, t. 975, but I have never seen the Ceylon plant with the peduncles and pedicels so elongated as represented in that figure.

3. KURRIMIA, Wall., Arnott.

Rhesa, Ham., Arn., Endlech. *Rhesa*, Walpers.

Ovarium liberum, 2-loculare; *loculis* 2-ovulatis. *Ovula* basi affixa, erecta, collateralia. *Capsula* 1-locularis, bivalvis, 1–2-sperma. *Semina* erecta, arillo carnoso.

1. *K. Ceylanica*, Arn. Pug. x. 328.—c.p. 1225.

Var. β . *montana*; *paniculis* minus elongatis; *floribus* majoribus.—c.p. 409.

HAB. Var. α . In warm, moister parts of the island. Var. β . Central Province, up to an elevation of 5000 feet. Nom. vulg. "Palang," "Hoorakandoo," and "Alareya-gass."

Arbor magna. *Ramuli* teretes, glabri, *juniorum* apices acuti, *stipulis* magnis circumvolutis cito deciduis tecti. *Folia* glabra, 3–6 poll. longa, ½–3 poll. lata, *petiolo* ½–1½ poll. longo. *Flores* parvi, pallide virides. *Capsulae* oblongae, carnosocoriaceae, ½ poll. longae, rufescentes. *Semina* oblonga, fere ad apicem arillo carnoso albedo inclusa; *testa* membranacea, brunnea.

4. CELASTRUS, Linn.

1. *C. paniculata*, Willd. (W. et A. Prod. i. 158, cum syn.; Wight, Illustr. i. 172. t. 72; Icones, t. 158)—c.p. 1232.

HAB. Common up to an elevation of 2000 feet.

Sect. 2.—*Ovarium* disco immersum et cum eo consolidatum.

5. CATHA, Försk.

1. *C. emarginata*, G. Don.—*Celastrus emarginatus*, Willd.; W. et A. Prod. i. p. 160, cum syn.—c.p. 1235.

HAB. Hot, drier parts of the island. Nom. vulg. "Deya-eringoo."

2. *C. fruticosa*, Thw.; *foliis* parvis, oblongo-spathulatis vel subtrapezoides, crenato-serratis, glabris, petiolatis, subtus prominenti-reticulatis; *corymbis* axillaribus, multifloris, folio brevioribus.—c.p. 3386.

HAB. Banks of the Mahawelliganga, near Nawalapittya, in the Central Province.

Frutex inermis, 8-10-pedalis. *Ramuli* angulosi. *Folia* $\frac{3}{4}$ -1 $\frac{1}{2}$ poll. longa, 4-7 lin. lata, *petiolo* circiter 1 lin. longo. *Flores* parvi, 1 lin. in exp. *Petala* 5, albida. *Stylus* brevis. *Stigmata* 3, brevia, recurvata. *Capsulae* 3-loculares, pisi magnitudine, rubiginosæ, transverse striatæ. *Semina* coccinea, nitida; *arillo* parvo, albido.

6. EVONYMUS, Linn.

1. **E. revolutus**, Wight, *Illustr.* i. 178; Walp. *Rep.* i. 531.—c.p. 579.
HAB. Newera and other very elevated parts of the island.

Arbor mediocris. *Folia* opposita vel ternata, sæpe rotundata. *Flores* virides, purpurascens.

2. **E. dichotomus**, Heyne, (W. et A. *Prod.* i. 160, cum syn.)—c.r. 171.
HAB. Galagama, on the banks of streams.

3. **E. Walkerii**, Wight, l. c.; Walpers, l. c.—*E. Zeylanicus*, Moon, *Cat.* p. 17.—c.p. 478.

HAB. Very abundant in the southern and central parts of the island, up to an elevation of 3000 feet.

Closely allied to the preceding, from which it differs principally in its shorter petioles and flower-stalks.

7. GLYPTOPETALUM, Thw.

Hook *Journ. of Bot.* vol viii (1856) p. 267. t. 7 B.

Flores tetrameri. *Petala* superne bifoveolata. *Antherarum loculi* ad apicem connectivi maximi innati siti, basi divergentes. *Ovarium* pyramidato-tetragonum, 4-loculare. *Ovula* in loculis singula, ab apice pendula. *Capsulae* rotundatae, 1-4-spermæ. *Semina* arillata.

1. **G. Zeylanicum**, Thw. l. c.—c.p. 589.

HAB. Central Province, up to an elevation of 3000 feet.

Folia opposita, lanceolata, serrata, glabra, 4 $\frac{1}{2}$ -6 poll. longa, 1 $\frac{1}{2}$ -2 $\frac{1}{2}$ poll. lata; *petiolo* $\frac{1}{2}$ poll. longo. *Cymarum* supra-axillarium *pedunculi* 1-1 $\frac{1}{2}$ poll. longi; *pedicelli* divaricati, $\frac{1}{2}$ poll. longi. *Flores* albido-virescentes, 4 lin. lati. *Semina* $\frac{1}{2}$ poll. longa, ovoidea; *arillo* rubro ultra medium attingente, *testa* flavo-rufescente.

8. ELÆODENDRON, Jacq.

1. **E. glaucum**, Pers. (Roxb. *Fl. Ind.* (Wallich) ii. 432, cum syn.)—c.p. 1227.

Var. β . *montanum*; *floribus* nuculanisque majoribus.—c.p. 2520.

HAB. Var. α . Hot, drier parts of the island. Var. β . Central Province, at an elevation of 3000 to 4500 feet.

I can find nothing to distinguish the two varieties of this species except the larger flowers and fruit of var. β , and the petioles of this form are usually somewhat shorter than in var. α .

IV. RHAMNACEÆ.

1. ZIZYPHUS, Tourn.

1. **Z. rugosa**, Lam. (W. et A. *Prod.* i. 162, cum syn.; Wight, *Icon.* t. 339.)—c.p. 2719.

HAB. Very abundant, up to an elevation of 2000 feet. Nom. vulg. Maha-erraminyā."

2. *Z. xylopyra*, Willd. (W. et A., l. c. cum syn.)—C.P. 1243.

HAB. Hot, drier parts of the island.

3. *Z. Jujuba*, Lam. (W. et A., l. c.; Wight, Icon. t. 99.)—C.P. 1242.

HAB. Anooradhapoorā, Gardner.

4. *Z. Cœnopia*, Mill. (W. et A., l. c. p. 163.)—C.P. 1240.

HAB. Common, up to an elevation of 3000 feet. Nom. vulg. "Erraminyā-wel."

5. *Z. lucida*, Moon, Cat. p. 17; *foliis* ovato-lanceolatis, crenato-serrulatis, obtuse acuminate, minute apiculatis, basi obliquis, 3-5-nerviis, transverse parallelo-venulosis, glabris, petiolo nervisque pubescentibus; *cymis* folio multo brevioribus, tomentosis; *stylis* 3-4, ad medium coalitis.—? *Z. horrida*, Roth, nov. sp. p. 159.—C.P. 1241.

HAB. Matele, Moon; Kornegalle District, abundant.

Fruticosa. *Ramuli* teretes, nigrescentes, juniores tomentosi; *aculeis* solitariis vel binis. *Folia* 2-3 poll longa, $\frac{3}{4}$ -1 $\frac{1}{4}$ poll lata, *petiolo* 3 lin. longo. *Ovarium* 3-4-loculare. *Nuculania* globosa, circiter 8 lin. in diam, carnosa, viridi-purpureo-ascensia, 2-4-sperma; *putamine* osseo, ruguloso.

It is difficult to surmise what can be the *Rhamnus Napeca*, Linn. Fl. Zeyl. 87, the description of which agrees tolerably well with the characters of the present plant, except as regards the number of styles, which seems decisive against their being identical.

2. BERCHEMIA, Neck.

1. *B. parviflora*, Wall. (W. et A. Prod. i. 163, cum syn.; Wight, Icones (19), t. 513.)—C.P. 2477.

HAB. Maturete District, in the Central Province, up to an elevation of 3000 feet; not common.

In my specimens the leaves are oblong-lanceolate, and not cordate at the base as in Dr. Wight's figure, but in other respects the characters correspond.

3. VENTILAGO, Gærtn.

1. *V. Maderaspatana*, Gærtn. (W. et A. Prod. i. 164, cum syn.; Wight, Icones, t. 163.)—C.P. 1236.

HAB. Common in the hot, drier parts of the island, up to an elevation of 1500 feet.

4. RHAMNUS, Linn.

1. *R. Wightii*, W. et A. Prod. i. 164, cum syn.; Wight, Icones, t. 159.—C.P. 2525.

HAB. Newera Ellia and other of the most elevated parts of the Central Province.

2. *R. Arnottianus*, Gardn. MSS.; *foliis* glabris, ovato-lanceolatis, crenatis, glandulose serrulatis, obtuse acuminate, superne depresso-reticulatis; *pedunculis* unifloris, axillaribus, ternis, puberulis, *petiolo* superne puberulo longioribus; *petalis* nullis.—C.P. 201.

HAB. Most elevated parts of the Central Province.

Arbor parva. *Ramuli* juniores puberuli *Folia* 1 $\frac{1}{2}$ -2 $\frac{1}{4}$ poll. longa, $\frac{3}{4}$ -1 $\frac{1}{4}$ poll.

lata, *petiolo* 2-4 lin. longo. *Stipulæ* lineari-lanceolatæ, 2½ lin. longæ, basi interne glandulosæ, cito deciduæ; *glandulis* minutis, erectis, clavatis, rubris, persistentibus. *Calycis laciniae* 4, acutæ, externe pilosæ. *Stamina* 4, filamentis brevibus. *Styli* 2-3, basi coaliti. *Nuculanis* pisi parvi magnitudine, nigro-purpurea.

5. SCUTIA, Comm.

1. **S. Indica**, Brongn. (W. et A. Prod. i. 165, cum syn.; Wight, Illust. 180. t. 73.)—c.p. 1233.

HAB. Abundant in the hot, drier parts of the island.

6. COLUBRINA, Rich.

1. **C. Asiatica**, Brongn. (W. et A. Prod. i. 166, cum syn.; Wight, Illust. 180. t. 74) - c.p. 1239.

HAB. North of the island, *Gardner*.

7. GOUANIA, Jacq.

1. **G. microcarpa**, DC. (W. et A. Prod. i. 167, cum syn.)—c.p. 1238.

HAB. Common, up to an elevation of 2000 feet.

LVI. TEREBINTHACEÆ.

1. MANGIFERA, Linn.

1. **M. Indica**, Linn. (W. et A. Prod. i. 170, cum syn.)—c.p. 1256, 2614.

HAB. Abundant, up to an elevation of 3000 feet. Nom. vulg. "Amba" and "Attamba-gass"

2. ANACARDIUM, Rottb.

1. **A. occidentale**, Linn. (W. et A. Prod. i. 168, cum syn.)

HAB. Naturalized in some of the warmer parts of the island. Nom. vulg. "Cadjoo-gass."

3. SEMECARPUS, Linn.

Sect. 1. *Paniculæ ramulos terminantes.*

1. **S. subpeltata**, Thw.; *foliis* magnis, ovato-lanceolatis, acuminatis, glabris, coriaceis, nitidis, subpeltatis; *drupis* transverse oblongis, parce compressis, dimidio inferiore *hypocarpio** magno carnosio subreniformi tectis.—c.p. 3004.

HAB. Single-rajah and other forests between Ratnapoora and Galle. Nom. vulg. "Maha-badoolla-gass."

Arbor magna, 30-40-pedalis. *Folia* 10-15 poll. longa, 4-6½ poll. lata, *petiolo*

* The fleshy structure on which the drupe in this genus rests, and for which I propose the name of *hypocarpium*, can hardly be called a "*torus incrassatus*," as it is rather an enlargement of the base of the calyx.

crasso, $1\frac{1}{2}$ –2 poll. longo. *Panicula* magnæ, ramis patentibus. *Drupæ* circiter $\frac{1}{2}$ poll. in alt., $1\frac{1}{4}$ poll. in max. lat.

2. *S. Gardneri*, Thw.; *foliis* lanceolatis vel oblongo-lanceolatis, acuminatis, glabris; *petiolo* longiusculo; *drupis* oblique oblongis, parce compressis, dimidio inferiore *hypocarpio* magno carnosio cupuliformi tectis.—c.p. 1257, 2940.

HAB. Very common in the Central Province, up to an elevation of 3000 feet. Nom. vulg. "Badoolla-gass."

Arbor mediocris. *Folia* $4\frac{1}{2}$ –13 poll. longa, $1\frac{1}{2}$ –4 poll. lata; *petiolo* crassiusculo, $\frac{3}{4}$ –2 poll. longo. *Panicula* folio subæquilongæ. *Drupæ* circiter 9 lin. longæ, *hypocarpio* circiter 7 lin. lato.

3. *S. obscura*, Thw.; *foliis* glabris, ovato-oblongis, obtusis, basi cuneatis, superne nitidis; *petiolo* brevi, vix incrassato; *drupis* (immaturis) oblongis, dimidio inferiore *hypocarpio* cupuliformi carnosio tectis.—c.p. 2556.

HAB. Deltotte, in the Central Province, at an elevation of 3000 feet.

Arbor mediocris. *Folia* 3–4 poll. longa, $1\frac{1}{4}$ – $1\frac{1}{2}$ poll. lata, *petiolo* circiter 3 lin. longo. *Panicula* folio subæquilongæ.

4. *S. oblongifolia*, Thw.; *foliis* glabris, oblongis, apice rotundatis vel obscure obtuse acuminatis, basi cuneatis, *petiolo* basi incrassato; *drupis* oblongis, parce oblique compressisque, apiculatis, *hypocarpio* (sicco) angustiore poculiformi suffultis.—*S. Zeylanica*, Blume, Mus. Bot. Lugd.-Bat. p. 189.—c.p. 1258.

HAB. Hot, drier parts of the island, up to an elevation of 3000 feet; common. Nom. vulg. "Badoolla-gass."

Arbor mediocris. *Folia* $3\frac{1}{2}$ –9 poll. longa, 1– $2\frac{1}{2}$ poll. lata, *petiolo* 4–6 lin. longo. *Drupæ* nucæ avellana parum majores.

This species a good deal resembles *S. obscura*, but differs in its less coriaceous and paler leaves, and much smaller hypocarp.

5. *S. nigroviridis*, Thw.; *foliis* glabris, obovatis vel oblongis, obtuse breviter-acuminatis, basi angustatis, *petiolo* basi incrassato; *drupis* rotundatis vel obovatis, obliquis, compressis, uncinato-apiculatis, *hypocarpio* (sicco) angustiore poculiformi compresso suffultis.—c.p. 631, 2414 (641, 2586).

HAB. Central Province, at an elevation of 2000 to 4000 feet.

Arbor mediocris. *Folia* intense viridia, $2\frac{1}{2}$ –6 poll. longa, $1\frac{1}{2}$ – $2\frac{1}{2}$ poll. lata, *petiolo* 3–8 lin. longo. *Drupæ* 8–10 lin. in max. diam.

Distinguished from the preceding species by its differently-shaped and darker-coloured leaves and larger, more compressed drupes. From *S. obscura* it differs principally in the shape of the fruit and the smaller hypocarp.

6. *S. acuminata*, Thw.; *foliis* glabris, ovato- vel oblongo-lanceolatis, longe acuminatis, basi angustatis, *petiolo* parum incrassato; *drupis* obovatis, compressis, valde obliquis, uncinato-acuminatis, *hypocarpio* (sicco) multum angustiore poculiformi elongatulo suffultis.—c.p. 2676.

HAB. Forests in the Ratnapoora, Galle, and Ambagamowa Districts, at no great elevation.

Arbor mediocris. *Folia* 4–12 poll. longa, $1\frac{1}{4}$ – $2\frac{1}{4}$ lata, *petiolo* 4–10 lin. longo. *Drupæ* 1 poll. longæ, $\frac{3}{4}$ poll. in max. diam., *hypocarpio* $\frac{1}{2}$ poll. longo.

Resembling *S. Gardneri* in many respects, but distinguished from it by its less coriaceous leaves, smaller panicles, and very differently-shaped fruit.

7. *S. coriacea*, Thw.; *foliis* glabris, obovatis vel obovato-oblongis.

valde coriaceis, apice rotundatis vel obscure obtuse acuminatis, basi plus minus angustatis, *petiolo* costaque robustis; *paniculis* folio brevioribus, rachis brevi, ramis interrupte spicæformibus; *drupis* obcordatis, obliquis, compressis, mucronulatis; *hypocarpio* (sicco) mediocri, poculiformi.—C.P. 313, 635.

HAB. Central Province, at an elevation of 5000 to 7000 feet.

Arbor mediocris. *Folia* $3\frac{1}{2}$ –7 poll. longa, $1\frac{1}{2}$ – $3\frac{1}{2}$ poll. lata, *petiolo* 2–5 lin. longo. *Drupæ* 8 lin. in alt., 11 lin. in max lat., *hypocarpio* $4\frac{1}{2}$ lin. longo.

8. *S. parvifolia*, Thw.; *foliis* glabris, ovato-oblongis, abrupte obtuse acuminatis vel apice rotundatis, basi angustatis, coriaceis; *petiolo* superne sulcato, non incrassato; *paniculæ* ramis racemiformibus, paucifloris; *drupis* (immaturis) elongato-conicis, uncinato-acuminatis, parce obliquis, *hypocarpio* subæquilato poculiformi suffultis.—C.P. 344.

HAB. Hinidoon Corle, in the Galle District. Nom. vulg. "Heenbadoolla-gass."

Arbor mediocris. *Folia* $1\frac{1}{2}$ – $3\frac{1}{2}$ poll. longa, $\frac{3}{4}$ – $1\frac{1}{2}$ poll. lata, *petiolo* 3–6 lin. longo.

9. *S. Moonii*, Thw.; *foliis* magnis, glabris, coriaceis, lanceolatis, brevi-acuminatis, basi angustatis, brev-petiolatis; *drupis* (immaturis) obliquis, oblongis, compressis, apiculatis, *hypocarpio* mediocri.—C.P. 3338.

HAB. South of the island, at no great elevation.

Arbor mediocris. *Folia* 6–12 poll. longa, 2–5 poll. lata, *petiolo* 1–3 lin. longo. *Paniculæ* elongatæ, multifloræ.

10. *S. obovata*, Moon, Cat. p. 22; *foliis* glabris, superne nitidis, obovatis, apice rotundatis vel abrupte obtuse acuminatis, ad basin angustatam rotundatis vel subcordatis, brev-petiolatis; *drupis* (immaturis) oblongis, parce obliquis, apiculatis; *hypocarpio* (sicco) angustiore, elongatulo.—C.P. 3339.

HAB. Cultura, Moon; near Ratnapoora.

Arbor mediocris. *Folia* 3–7 poll. longa, $1\frac{1}{2}$ –5 poll. lata, *petiolo* 1–2 lin. longo, incrassato.

11. *S. pubescens*, Thw.; *foliis* lanceolatis, acuminatis, basi subrotundatis, superne (costa excepta) glabris, subtus cum costa *petioloque* incrassato pubescentibus; *paniculis* elongatis; *drupis* parvis.—C.P. 163.

HAB. Ratnapoora District, at no great elevation.

Arbor parva. *Ramuli* elongati, teretes, pubescentes. *Folia* 5–13 poll. longa, $1\frac{1}{2}$ –3 poll. lata, *petiolo* $\frac{1}{2}$ –1 poll. longo. *Drupæ* oblongæ, parce obliquæ, circiter 6 lin. longæ, 3 lin. latæ, *hypocarpio* brevi carnoso cupuliformi subæquilato suffultæ.

Sect. 2. *Paniculæ caulinae*.

12. *S. marginata*, Thw.; *foliis* magnis, lanceolatis, conspicue membranaceo-marginatis, acuminatis, ad basin angustatis cordatisque, *petiolo* valde incrassato; *paniculis* caulinis, ramosis, delicatulis, pilosiusculis.—C.P. 2677.

Var. *a. glabra*; *foliis* glabris.

Var. *β. hirsuta*; *foliis* subtus pilis patentibus, rigidis hirsutis.

HAB. Damp forests in the Galle, Ratnapoora, and Ambagamowa Districts.

Fruter erectus, 6–8-pedalis, parce ramosus. *Folia* 6–14 poll. longa, $2\frac{1}{2}$ –5 poll. lata, *petiolo* $\frac{1}{2}$ – $1\frac{1}{2}$ poll. longo. *Drupæ* ovoides, obliquæ, parce compressæ, circiter

4 lin. longæ, rufescentes, *hypocarpio* æquilato dimidio breviorè peculiformi coccineo suffultæ.

4. GLYCYCARPUS, Dalzell.

Hook. Journ. of Bot. vol. ii. (1850) p. 38.

1. *G. racemosa*, Dalz. l. c.; Hook. Icon. Pl. ix. t. 842.—c.p. 1260.

HAB. Very common, up to an elevation of 3000 feet. Nom. vulg. "Bala-gass."

Drupæ maturæ nigro-purpureæ *Cotyledones* sæpissime purpureo-tinctæ.

5. BUCHANANIA, Roxb.

1. *B. angustifolia*, Roxb. (W. et A. Prod. i. 169, cum syn.; Wight, Icon. t. 101.)—c.p. 471, 1255.

HAB. North of the island, *Gardner*, Galagama.

Buchanania ? *Zeylanica*, Bl. Mus Bot Lugd.-Bat p 185, is probably a state of *Mangifera Indica*, Linn, judging from the native name he has given of the plant.

6. CAMPNOSPERMA, Thw.

Hook. Journ. of Bot vol vi. p. 65. t. 1 A Walpers, Ann. vol. iv. p. 444.

1. *C. Zeylanicum*, Thw., l. c.—c.p. 246.

HAB. Saffragam and Ambagamowa Districts, generally on the banks of streams, up to an elevation of 1000 feet.

7. ODINA, Roxb.

1. *O. Wodier*, Roxb. (W. et A. Prod. i. 171, cum syn.; Wight, Icones, t. 60.)—c.p. 1161.

HAB. Warmer parts of the island, up to an elevation of 1500 feet. Nom. vulg. "Hig- or Hik-gass."

A considerable quantity of gum exudes from the trunk of this tree, which the natives use as a medicinal plaster.

8. EVIA, Comm.

Blume, Mus. Bot. Lugd.-Bat. p. 234. *Spondias*, Auct. (*partim*).

1. *E. amara*, Comm. (Blume, l. c. cum syn.)—c.p. 1263.

HAB. Common, up to an elevation of 2000 feet. Nom. vulg. "Ambaralla-gass."

9. PROTIUM, Burm.

1. *P. caudatum*, W. et A. Prod. i. 176.—c.p. 1261.

HAB. Hot, drier parts of the island, at no great elevation.

10. SCUTINANTHE, Thw.

Hook Journ. of Bot. vol. viii. (1856) p. 266. t. 8 B.

Flores abortu dioici. *Calyx* cupuliformis, carnosus-coriaceus, in seg-

mentis 5 erectis valvatis ad medium divisus, persistens. *Corolla* cum calyce æquilonga; *petalis* 5, erectis, valvatis, carnosio-coriaceis, persistentibus. *Stamina* 10; *filamentis* in annulum parte inferiore cum disco glanduloso interno et basi calycis corollæque consolidata cohærentibus, apice liberis; *antheris* oblongis, introrsis, dorso affixis. *Ovarium* biloculare, loculis biovulatis; *ovulis* collateralibus, axi affixis, amphitropis. *Stylus* brevissimus. *Stigma* disciforme. *Nuculaniam* carnosa; *putamine* mediocri, osseo, abortu monospermo. *Semen* pendulum; *testa* membranacea; *cotyledonibus* magnis, foliaceis, integris, plicato-rugosis; *radicula* parva.

1. *S. brunnea*, Thw., l. c.—C.P. 1149.

HAB. Central Province, at an elevation of 2000 to 3000 feet. Nom. vulg. "Maha-booloomora-gass."

Arbor 50–60-pedalis. *Ramuli*, cum foliis junioribus, rufo-tomentosi. *Folia* impari-pinnata, 10–20 poll longa, exstipulata; *petiolo* superne sulcato, basi tumido, striato; *foliolis* 5–11, oblongis, parce obliquis, acuminatis, integris, 4–8 poll, longis, 2–3 poll. latis, rufescentibus, *petiolulo* 4 lin. longo. *Panicula* axillares, multifloræ, tomentosæ. *Flores* 3 lin. lati. *Nuculaniam* oblonga, rufo-tomentosa, utrinque attenuata, pollicaria.

11. CANARIUM, Linn.

1. *C. Zeylanicum*, Blume, Mus. Bot. Lugd.-Bat. p. 218, cum syn.—*C. balsamiferum*, Moon, Cat. p. 68.—C.P. 2649.

HAB. Warm, moister parts of the island, up to an elevation of 1500 feet. Nom. vulg. "Kaakoona-gass."

Stipula majusculæ, petiolares, a ramulo parum distantes, brevi-stipitata, oblique, rotundato-sagittate, cito deciduæ.

The resinous balsam, which exudes copiously from the trunk of this tree, is used by the natives for burning, after being mixed with paddy-chaff; and the smoke given off is reputed to drive away snakes from the domicile.

LVII. CHAILLETTIACEÆ.

1. MOACURRA, Roxb.

1. *M. gelonioides*, Roxb. Fl. Ind. ii. 69.—C.P. 1245.

Var. β ; *foliis* subtus plus minus tomentosis.—C.P. 1231.

HAB. Common in the moister parts of the island, and up to an elevation of 3000 feet.

I can find nothing to distinguish var β from the other form of this species but its usually greater luxuriance of growth, and the tomentum, which varies exceedingly in amount, upon the ramuli and the under surface of its leaves.

LVIII. HOMALINEÆ.

1. BLACKWELLIA, Comm.

1. *B. Ceylanica*, Gardner, Calcutta Journ. of Nat. Hist. vol. vii. p. 452.—*B. tetrandra*, Wight, Icones, t. 1851.—C.P. 388.

HAB. Moister parts of the island, up to an elevation of 3000 feet. Nom. vulg. "Leeyang-gass."

Arbor 30-40-pedalis; *ramulis foliisque junioribus rubris. Florum spice sæpissime valde elongatæ, pendulæ.*

The wood of this tree is strong, and useful for building purposes.

LIX. CONNARACEÆ.

1. ROUREA, Aub.

1. *R. santaloides*, W. et A. (Blume, Mus. Bot. Lugd.-Bat. p. 262, cum syn.)—C.P. 749.

HAB. Common, up to an elevation of 3000 feet. Nom. vulg. "Kerindi-wel."

2. CONNARUS, Linn.

1. *C. monocarpus*, Linn. (Blume, Mus. Bot. Lugd.-Bat. p. 265, cum syn.)—C.P. 323.

HAB. Very abundant in the hot, drier parts of the island. Nom. vulg. "Radaleya-gass."

2. *C. Championii*, Thw.; *ramulis foliisque novellis cum paniculis rufo-nigro-furfuraceis: foliis 5-7-foliolatis; foliolis ellipticis, acuminatis; foliiculis transverse rugulosis, glabris, subtruncato-obovatis, versus basin angustatis.*—C.P. 2399.

HAB. Central Province, up to an elevation of 4000 feet.

Fruter scandens Foliola 2½-4 poll longa, 1½-2½ poll. lata, *petiolulo* incrassato, 2½ lin. longo. *Panicularum* rami ultimi racemiformes. *Pedicelli* breves. *Calycis laciniae* oblongæ, externe furfuraceæ. *Petalis* longiora, albidis, rufo-punctata, parce pilosa. *Stamina* 10, basi coalita, 5 antherifera, cum totidem plus quam dimidio brevioribus, antheris effectis alternantia. *Ovarium* rufo-pilosum.

3. *C. unifoliolatus*, Thw.; *foliis glabris, petiolatis, 1-foliolatis; foliolo* elliptico vel ovato, abrupte acuminato, reticulato; *petiolulo* brevi, tumido, rugulosulo; *paniculis* parvis, axillaribus, 1-, 2-, vel 3-nis, racemiformibus, paucifloris.—C.P. 2443.

HAB. Central Province, at an elevation of 3000 to 4000 feet; rather rare.

Arbor mediocris, 20-30-pedalis; *ramulis petiolisque nigricantibus; novellis* fusco-pilosis. *Foliola* 1½-3½ poll. longa, 1-1½ poll. lata; *petiolulo* 1 lin. longo, cum *petiolo* 3 lin. longo basi tumidulo articulado. *Panicula* 4-7-floræ, pallide fusco-lutescentis; *bracteolis* linearibus, deciduis. *Flores* abortu dioici, pallide virides, circiter 3 lin. in exp., brevi-pedicellati, cum panicula ramorum apicibus articulati. *Calycis laciniae* acutæ, *petalis* externe pilosis plus quam dimidio breviores. *Stamina* basi coalita; 5 antherifera, cum totidem brevibus anantheris dentiformibus alternantia. *Ovarium* strigosum, in *stylum* brevem attenuatum, *stigmate* dilatato. *Folliculi* (immaturi) fulvo tomentosi, arcuato-falcati, acuti, basi in stipitem longum attenuati.

LX. LEGUMINOSÆ.

SUBORD 1. PAPILIONACEÆ.

1. HEYLANDIA, DC.

1. **H. latebrosa**, DC. (W. et A. Prod. i. 180, cum syn.)—c.p. 1275
HAB. Abundant in the Badulla District.

2. CROTALARIA, Linn.

(Nom. vernac "Andanahiriya.")

1. **C. biflora**, Linn. (W. et A. Prod. i. 190, cum syn.)—c.p. 3325.
HAB. Hot, drier parts of the island, *Gardner*.
2. **C. prostrata**, Roxb. (W. et A., l. c. p. 189, cum syn.)—c.p. 1266
(*partim*).
HAB. Batticaloa District.
3. **C. ferruginea**, Grah. (Benth. Lond. Journ. of Bot. ii. 476, cum syn.)—c.p. 1265.
HAB. Central Province, up to an elevation of 4000 feet.
4. **C. evolvuloides**, W. et A. Prod. i. 188.—c.p. 1266 (*partim*).
HAB. Ceylon.
5. **C. bifaria**, Linn. (W. et A., l. c. p. 188, cum syn.; Wight, Icones, t. 30.)—c.p. 3593.
HAB. Central Province.
6. **C. multiflora**, Benth. l. c. p. 478; Walp. Rep. v. 437.—c.p. 1268.
HAB. Central Province, at an elevation of 3000 to 5000 feet.
7. **C. Wightiana**, Grah. (W. et A., l. c. p. 181.—? *C. scabrella*, W. et A., l. c.)—c.p. 2772.
HAB. Central Province, at an elevation of 1000 to 3000 feet.
A very variable species, and I suspect that *C. scabrella*, W. et A., is only a form of it.
8. **C. retusa**, Linn. (W. et A., l. c. p. 187, cum syn.)—c.p. 1274.
HAB. Very common, up to an elevation of 2000 feet. Nom. vulg. "Kaha-andanahiriya-gass."
9. **C. verrucosa**, Linn. (W. et A., l. c. cum syn.; Wight, Icones, t. 200.)—c.p. 1273.
HAB. Abundant, up to an elevation of 3000 feet. Nom. vulg. "Nil-andanahiriya," "Yak-bairiye."
10. **C. semperflorens**, Ventn. (Walp. Rep. v. 439, cum syn.)—c.p. 12 (280).
HAB. Central Province, at an elevation of 4000 to 7000 feet.
11. **C. juncea**, Linn. (W. et A., l. c. p. 185, cum syn.)—c.p. 1264.
HAB. Not uncommon, up to an elevation of 3000 feet. Nom. vulg. "Hanna."
The Cinghalese make cord of the strong fibre of this plant.
12. **C. lunulata**, Heyne, (W. et A., l. c. p. 183, cum syn.; Wight, Icones, t. 480.)—c.p. 1270 (1271).
HAB. Hot, drier parts of the island.

13. *C. calycina*, Schr. (Benth. l. c. p. 564, cum syn.; Walp. Rep. l. c. 441.)—c.p. 526.

HAB. Common on open, grassy places in the Central Province, at an elevation of 3000 to 6000 feet.

14. *C. Mysorensis*, Roth, (Benth. l. c. p. 566, cum syn.; Walp. l. c.)—c.p. 3594.

HAB. Batticaloa District.

15. *C. albida*, Heyne, (Benth. l. c. p. 567, cum syn.; Walp. l. c. 442.)—c.p. 269 (2482).

HAB. Central Province, in the Badulla and Maturatte Districts, at an elevation of 2000 to 4000 feet.

16. *C. linifolia*, Linn. (Walp. l. c. cum syn.)—c.p. 1277.

HAB. Near Galle, *Gardner*.

17. *C. nana*, Burm. (W. et A., l. c. p. 191, cum syn.)—c.p. 3301.

HAB. Hotter parts of the island, at no great elevation.

18. *C. umbellata*, Wight, (W. et A., l. c.)—c.p. 1276.

HAB. Central Province, at an elevation of 3000 to 4000 feet.

If my specimens are correctly named, they approach almost too near to *C. nana* to be considered other than a variety of that species; and *C. umbellata* is perhaps only the mountain form of *C. nana*. I find the seeds of the former fewer in number, as well as rather larger and more shining, than those of *C. nana*.

19. *C. medicaginea*, Lam. (W. et A., l. c. p. 192, cum syn.)—c.p. 1278.

HAB. Hot, drier parts of the island, up to an elevation of 1500 feet.

This species varies extremely, sometimes occurring quite erect, and sparingly branched, with more numerous flowers, and with leaves a good deal larger than are seen on the procumbent seaside form. Can *C. hernarioides*, W. et A., and *C. neglecta*, W. et A., be forms of it?

20. *C. laburnifolia*, Linn. (W. et A., l. c. p. 193, cum syn.)—c.p. 367.

HAB. Very common, up to an elevation of 3000 feet. Nom. vulg. "Yak-baireya."

21. *C. quinquefolia*, Linn. (W. et A., l. c. p. 194, cum syn.; var. *trifolia*.)—c.p. 1272.

HAB. Bintenne, *Gardner*.

22. *C. striata*, DC. (Walp. l. c. p. 449, cum syn.)—c.p. 3608.

HAB. Common on roadsides, in the Nandian District.

CROTALARIA INCANA, Linn. (c.p. 1269), is a common weed in the Botanic Garden, but, no doubt, introduced.

3. PAROCHÆTUS, Ham.

1. *P. communis*, Ham. (Walp. Ann. iv. 478, cum syn.)—c.p. 2409.

HAB. Abundant in the Central Province, at an elevation of 4000 to 7000 feet.

TRIFOLIUM REPENS, Linn., is becoming naturalized in the neighbourhood of Negera Ella.

4. ROTHIA, Pers.

1. *R. trifoliata*, Pers. (W. et A. Prod. i. 195, cum syn.)—c.p. 1452.

HAB. Abundant in the hot, drier parts of the island.

5. INDIGOFERA, Linn.

(Nom vernac. "Awaree.")

1. *I. linifolia*, Retz, (W. et A. Prod. i. 198, cum syn.; Wight, Icones, t. 313.)—c.p. 3514.

HAB. Banks of the Mahawelliganga, on the Lower Badulla Road from Kandy.

2. *I. cuneaphylla*, Linn. (W. et A., l. c. p. 199, cum syn.; Wight, Icones, t. 403.)—c.p. 2775.

HAB. Hotter parts of the island; not very common.

3. *I. aspalathoides*, Vahl, (W. et A., l. c. cum syn.; Wight, Icones, t. 332.)—c.p. 1455.

HAB. Hot, drier parts of the island.

4. *I. viscosa*, Lam. (W. et A., l. c. p. 200, cum syn.; Wight, Icones, t. 404.)—c.p. 1459.

HAB. Hot, drier parts of the island; very common.

5. *I. tenuifolia*, Rottb. (W. et A., l. c.)—c.p. 1462.

HAB. Bintenne and Trincomalee, *Gardner*.

6. *I. trita*, Linn. f. (W. et A., l. c. p. 203, cum syn., Wight, Icones, t. 315, 386.)—c.p. 1463.

HAB. Common in the hot, drier parts of the island.

7. *I. trifoliata*, Linn. (W. et A., l. c. p. 201, cum syn.; Wight, Icon. t. 314.)—c.p. 3592.

HAB. Near Minnery, on the borders of the tank.

8. *I. paucifolia*, Delile, (W. et A., l. c. p. 201, cum syn.; Wight, Icones, t. 331.)—c.p. 1454.

HAB. North of the island, *Gardner*.

9. *I. flaccida*, Kœnig, (W. et A., l. c. p. 204, cum syn.)—c.p. 1460.

HAB. Haragam and other places on the Lower Badulla Road from Kandy.

10. *I. hirsuta*, Linn. (W. et A., l. c.)—c.p. 1456 (1457, 1458).

HAB. Very abundant in the hot, drier parts of the island.

11. *I. galegoides*, DC. Prod. ii. 225.—c.p. 1461.

HAB. Matele, *Gardner*.

12. *I. inamœna*, Thw.; *caule* erecto, suffruticoso, incano-strigoso, anguloso; *foliis* petiolatis, impari-pinnatis; *foliolis* 6-9-jugis, oblongis, recurvato-mucronulatis, basi angustatis, brevi-petiolulatis; *racemus* folio dimidio brevioribus, multifloris; *leguminibus* erectis, rostrato-apiculatis, teretibus, subcarinatis.—c.p. 3513.

HAB. Caloopahane, between Hapootelle and Balangodde, at an elevation of about 2000 feet.

Folia 1½-2½ poll longa, *foliolis* 3-5 lin. longis, circiter 1½ lin. latis, stipulis stipellisque subulatis. *Legumina* 1-1½ poll. longa, circiter 10-sperma. *Flores* parvi, purpurei. *Calyces* laciniæ subulati.

6. ACANTHONOTUS, Benth.

Hook. Niger Flora, p. 293. Walpers, Ann. vol. ii. p. 362

1. *A. echinatus*, Benth. l. c.—*Indigofera echinata*, Willd.; W. et A. Prod. i. 198, cum syn.; Wight, Icones, t. 316.—c.p. 1453.

HAB. Common in the hot, drier parts of the island.

7. PSORALEA, Linn.

1. *P. corylifolia*, Linn. (W. et A. Prod. i. 198, cum syn.)—c.p. 1443.
HAB. Not uncommon in the hotter parts of the island.

8. SESBANIA, Pers.

1. *S. Ægyptiaca*, Linn. (W. et A. Prod. i. 214, cum syn.; Wight, Icones, t. 32.)—c.p. 1512.
HAB. Habarane, *Gardner*.
2. *S. aculeata*, Pers. (W. et A., l. c. cum syn.)—c.p. 1513.
HAB. Not uncommon, up to an elevation of 3000 feet.

9. TEPHROSIA, Pers.

1. *T. suberosa*, DC. (W. et A. Prod. i. 210, cum syn.; Wight, Illust. i. 198. t. 82.)—*Mundulca suberosa*, Benth.; Walp. Ann. iv. 491.—c.p. 1486.
HAB. On rocks, near the Temple at Damboul.
2. *T. tinctoria*, Pers. (W. et A., l. c. 211, cum syn.; Wight, Icones, t. 388.)—c.p. 1449.
HAB. Var. *a*. W. et A., l. c., Central Province, up to elev. 5000 feet.
Var. *γ*. W. et A., l. c., near Matele, *Gardner*. Nom. vulg. "Aloo-pilla."
Although the extreme forms of this species vary so exceedingly in habit, degree of pubescence, and size of the leaflets, stipules, bracts, and calyx, it seems impossible, as Wight and Arnott remark, to separate them.

3. *T. maximá*, Pers. (W. et A., l. c. p. 213, cum syn.)—c.p. 1444.
HAB. Not uncommon in the warmer parts of the island.
4. *T. purpurea*, Pers. (W. et A., l. c. cum syn.)—c.p. 1445.
HAB. Very abundant in the warmer parts of the island. Nom. vulg. "Pilla."
The root of this plant is used as an anthelmintic for children.

5. *T. hirta*, Ham. in Linn. Trans. xiii. 546.
HAB. Mantam, *Gardner* (in Herb. Hook.).
6. *T. villosa*, Pers. (W. et A., l. c. p. 212, cum syn.)—c.p. 1447.
Var. *β. argentea*.—*T. argentea*, Pers.; W. et A., l. c. cum syn.—c.p. 1446.
HAB. Hot, drier parts of the island. Nom. vulg. "Boo-pilla."
Flores purpureæ vel albidi.
I have never met with any plant in the island agreeing in character with Persoon's *T. senticosa*.

10. STYLOSANTHES, Sw.

1. *S. mucronata*, Willd. (W. et A. Prod. i. 218, cum syn.)—c.p. 1451.
HAB. Common towards the north of the island.

11. ZORNIA,* Gmel.

1. *Z. angustifolia*, Sm. (W. et A. Prod. i. 217, cum syn.)—c.p. 3598 (524 *partim*).

* Bentham (Martius, Fl. Bras. Leg. p. 82) includes under *Z. diphylla*, Pers., all the Ceylon species, viz.—No. 1, under var. *λ*, *vulgaris punctata*, and No. 2 and 3, under var. *μ*, *Zeylonensis*.

HAB. Not uncommon in the hot, drier parts of the island.

2. **Z. conjugata**, Sm.—*Z. Zeylonensis*, Pers.; W. et A., l. c. cum syn.—c.p. 3600.

HAB. Colombo.

The joints of the legume of this species are twice as long and broad as those of the preceding and following species.

3. **Z. Walkeri**, Arn. Pug. p. 12 (330); Walp. Rep. i. 726.—c.p. 3599 (524 *partim*).

HAB. Central Province, not uncommon, up to an elevation of 3000 feet.

Leguminis articuli parce inconspicue echinulati.

The few echinulations generally present upon the legume of this species do not project beyond its border, and are therefore easily overlooked.

12. SMITHIA, Ait.

1. **S. conferta**, Sm. (DC. Prod. ii. 323.)—*S. sensitiva*, var. β , W. et A. Prod. i. 220, cum syn.—c.p. 2777.

HAB. Common in damp, grassy places, in the warmer parts of the island.

2. **S. blanda**, Wall. (W. et A., l. c. 221; Wight, Icones, t. 986.)—*S. paniculata*, Arn. Pug. 12 (330.)—c.p. 58.

HAB. Central Province, at an elevation of 4000 to 7000 feet.

A very variable species as regards the size of the leaves and flowers, and the amount of pubescence upon the stems and calyces.

13. ÆSCHYNOMENE, Linn.

(Nom. vernac. “Deya-seymbala.”)

1. **Æ. aspera**, Linn. (W. et A. Prod. i. 219, cum syn.; Wight, Icon. t. 299.)—c.p. 1514.

HAB. Common in the hotter parts of the island.

2. **Æ. Indica**, Linn. (W. et A., l. c. cum syn.; Wight, Icones, t. 405.)—c.p. 1515.

HAB. Very abundant in the warmer parts of the island.

14. ORMOCARPUM, Beauv.

1. **O. sennoides**, DC. (W. et A. Prod. i. 216, cum syn.; Wight, Icones, t. 297.)—c.p. 1438.

HAB. Hot, drier parts of the island; not uncommon.

15. URARIA, Desv.

1. **U. picta**, Desv. (W. et A. Prod. i. 221, cum syn.; Wight, Icones, t. 411.)—c.p. 1437.

HAB. Not rare in the hotter parts of the island.

2. **U. hamosa**, Wall. (W. et A., l. c. 222, cum syn.; Wight, Icones, t. 284.)—*D. rufescens*, DC. (fid. Benth.)—c.p. 3590.

HAB. Nilgalla, in the Badulla District.

3. **U. crinita**, DC.

HAB. Ceylon, *Walker* (*Hb. Hook.*).

16. **DENDROLOBIUM**, Benth.*Desmodium*, Subgenus *Dendrolobium*, W. et A.1. **D. umbellatum**, W. et A. Prod. i. 224, cum syn.; Walp. Ann. iv. 543.—C. P. 1436.HAB. North of the island, *Gardner*.2. **D. cephalotes**, W. et A., l. c. cum syn.; Wight, Icones, t. 373.—C. P. 2780.

HAB. Very common, up to an elevation of 3000 feet.

17. **PHYLLODIUM**, Desv.

Walpers, Ann. vol. iv. p. 544.

1. **P. pulchellum**, Desv.—*Dicerma pulchellum*, DC.; W. et A. Prod. i. 230, cum syn.; Wight, Icones, t. 418.—C. P. 1279.

HAB. Hot, drier parts of the island. Nom. vulg. "Ilampinne."

18. **DICERMA**, DC.1. **D. biarticulatum**, DC. (W. et A. Prod. i. 230, cum syn.; Wight, Icones, t. 419)—C. P. 1450.

HAB. Hotter parts of the island.

19. **PTEROLOMA**, Desv.1. **P. triquetrum**, Benth. (Walp. Ann. iv. 543.)—*Desmodium triquetrum*, DC.; W. et A. Prod. i. 224, cum syn.—C. P. 1431.

HAB. Central Province; abundant. Nom. vulg. "Būloleyā."

20. **CATENARIA**, Benth. in Pl. Jungh. ii. 220.1. **C. laburnifolia**, Benth. l. c. cum syn.; Walp. Ann. iv. 544.—C. P. 1435.

HAB. Central Province, at an elevation of 1500 to 3000 feet.

21. **DESMODIUM**, DC.1. **D. triflorum**, DC. Prod. in. 334, cum syn.; Wight, Icones, t. 292.—C. P. 2779.

HAB. Abundant, up to an elevation of 2000 feet. Nom. vulg. "Heen-oondoopeyelli."

This is valued as a medicine for the cure of dysentery.

2. **D. heterophyllum**, DC., l. c. cum syn.—*D. triflorum*, var. *a*, W. et A. Prod. i. 229; Wight, Icones, t. 291.—C. P. 2778.

HAB. Equally abundant with the last, from which it is certainly distinct. Nom. vulg. "Maha-oondoopeyelli."

3. **D. parvifolium**, DC. (W. et A., l. c. cum syn.)—C. P. 1429.

HAB. Central Province, at an elevation of 3000 to 5000 feet.

4. **D. polycarpon**, W. et A., l. c. 227, cum syn.Var. *a. caulibus* adpresso pilosis; *bracteis* longo acuminatis; *leguminibus* hirsutis vel sæpe glaberrimis.—C. P. 1425.

Var. *β. caulibus* superne villosis; *bracteis* lanceolatis, nec longe acuminatis.—C.P. 3512.

HAB. Central Province, up to an elevation of 5000 feet.

5. *D. ferrugineum*, Wall. Cat. 5732 A.—*D. rufescens*, W. et A., l. c. 228 (non De Candolle); Wight, Icones, t. 984.—C.P. 1426.

HAB. Central Province, up to an elevation of 4000 feet.

This, like the preceding species, varies much in the amount of pubescence upon the several parts, as well as in the relative length of the acumen of the bractæ

6. *D. gyrans*, DC. (W. et A., l. c. 227, cum syn.; Wight, Icones, t. 294.)—C.P. 1430.

HAB. Central Province, up to an elevation of 3000 feet.

7. *D. gyroides*, DC. (W. et A., l. c.)—C.P. 3326.

HAB. Pusalawa, in the Central Province, according to the statement of the Plant Collector, but I have never seen it truly wild in the island.

8. *D. latifolium*, DC. (W. et A., l. c. 225, cum syn.; Wight, Icones, t. 270, 272.)—C.P. 3588.

HAB. Near Bibili, in the Badulla District.

9. *D. Wightii*, Gr. (W. et A., l. c. 226; Arn. Pug. p. 13, 331.)—C.P. 3129.

HAB. Abundant in the warmer parts of the island, up to an elevation of 1500 feet.

10. *D. ormocarpoides*, DC.

HAB. Ceylon, Gardner (*Hb. Hook.*).

11. *D. podocarpum*, DC. Prod. i. 336 (non Hook. et Arn.)—C.P. 1434.

HAB. Central Province, up to an elevation of 4000 feet.

Flores parvi, albid

12. *D. strangulatum*, W. et A., l. c. 228; Wight, Icones, t. 985.—C.P. 1433.

Var. *β. minor*; *caule* villoso; *foliis* rotundato-rhomboideis, obtusis, minute apiculatis, *lateralibus* vix obliquis; *stipulis* villosis; *floribus* multo minoribus; *leguminibus* articulis minus constrictis.—C.P. 3329. An species distincta?

Flores (var. *α*) aurantiaco-rubri.

Desmodium Walkeri, Arn. Pug. p. 13, 331, C.P. 2973, appears to be identical with De Candolle's *Desm. cajanifolium*, and can scarcely have any claim to be considered indigenous to Ceylon.

22. PSEUDARTHRIA, W. et A.

1. *P. viscida*, W. et A. Prod. i. 209, cum syn.; Wight, Icones, t. 286.—C.P. 1432.

HAB. Common up to an elevation of 3000 feet.

23. ALYSICARPUS, Neck.

(Nom. vernac. "Aswenna.")

1. *A. vaginalis*, DC. (Walp. Ann. iv. 548, cum syn.)—C.P. 1428.

HAB. Abundant up to an elevation of 3000 feet.

2. *A. bupleurifolius*, DC. (W. et A. Prod. i. 233, cum syn.)—C.P. 1427.

HAB. Hot, drier parts of the island, *Gardner*.

3. *A. scariosus*, Grah.—*A. styracifolius*, W. et A., l. c. 234 (non DC.)—C.P. 3589.

HAB. Minnery tank.

4. *A. Heyneanus*, Wight.

HAB. Ceylon, *Walker* (*Hb. Hook.*).

24. DUMASIA, DC.

1. *D. villosa*, DC. Prod. ii. 241.—Var. β , *D. pubescens*, DC., l. c. Arn. Pug. p. 12, 330. *D. congesta*, Grah.; W. et A. Prod. i. 206; Wight, Icones, t. 445.—C.P. 663.

HAB. Common in the Central Province, at an elevation of 5000 to 7000 feet.

25. CLITOREA, Linn.

1. *C. Ternatea*, Linn. (W. et A. Prod. i. 205, cum syn.)—C.P. 1485.

HAB. Not uncommon in the Batticaloa District. Nom. vulg. "Nil-Kattarodoo."

26. SHUTERIA, W. et A.

1. *S. vestita*, W. et A. Prod. i. 207; Wight, Icones, t. 165.—C.P. 661.

HAB. Central Province, at an elevation of 4000 to 7000 feet.

27. SOJA, Moench.

1. *S. Wightii*, Grah. (Walp. Ann. iv. 552, cum syn.)—C.P. 1477.

HAB. Common up to an elevation of 2000 feet.

28. GALACTIA, P. Browne.

1. *G. tenuifolia*, W. et A. Prod. i. 206, cum syn.—C.P. 1468.

HAB. Central Province, up to an elevation of 3000 feet.

29. GLYCINE, Linn.

1. *G. labialis*, Linn. (W. et A. Prod. i. 208, cum syn.; Wight, Icones, t. 168.)—? *G. mollis*, W. et A., l. c.; Arn. Pug. p. 12, 330.—C.P. 1471.

HAB. Hotter parts of the island, up to an elevation of 2000 feet.

This is such a variable plant that I cannot help suspecting, judging from the description, that *G. mollis* of W. et A. is only a form of it

30. CANAVALIA, DC.

(Nom. vernac. "Wal-awara.")

1. *C. obtusifolia*, DC. (W. et A. Prod. i. 253, cum syn.)—C.P. 1484.

HAB. Common near the sea-shore.

2. *C. gladiata*, DC. (W. et A., l. c. cum syn.; Wight, Icones, t. 753)—C.P. 1481.

HAB. North of the island, *Gardner*.

3. *C. virosa*, W. et A., l. c. cum syn.—c.p. 2782.

HAB. Central Province, abundant up to an elevation of 3000 feet.

31. MUCUNA, Adans.

1. *M. monosperma*, DC. (W. et A. Prod. i. 254, cum syn.; Wight, Icones, t. 35.)—c.p. 2662.

HAB. Central Province, up to an elevation of 3000 feet.

2. *M. atropurpurea*, DC. (W. et A., l. c.)—c.p. 1483.

HAB. Not uncommon, up to an elevation of 2000 feet.

3. *M. gigantea*, DC. (W. et A., l. c.)—c.p. 3587.

HAB. Batticaloa? *Gardner*.

4. *M. prurita*, Hook. (W. et A., l. c. 255.)—Var. *β. pedunculis* brevibus, sæpissime 2-floris.—c.p. 3150.

HAB. Hot, drier parts of the island, not uncommon. Var. *α*. In exposed situations. Var. *β*. In shady places. Nom. vulg. "Aachāriya-paloo."

32. ERYTHRINA, Linn.

1. *E. Indica*, Lam. (W. et A. Prod. i. 260, cum syn.; Wight, Icones, t. 58.)—c.p. 1464.

HAB. Hot, drier parts of the island. Nom. vulg. "Errabadoo-gass."

This is used medicinally for men and cattle, and the young, tender leaves are eaten in curries.

2. *E. ovalifolia*, Roxb. Fl. Ind. iii. 254; Wight, Icones, t. 247.—c.p. 3499.

HAB. Hot, drier parts of the island. Nom. vulg. "Yak-errabadoo-gass."

33. BUTEA, Roxb.

1. *B. frondosa*, Roxb. (W. et A. Prod. i. 261.)—c.p. 1465.

HAB. Hot, drier parts of the island. Nom. vulg. "Gass-kaala."

34. STRONGYLODON, Vogel.

1. *S. ruber*, Vog. (Walp. Ann. iv. 559, cum syn.)—c.p. 1479.

HAB. Near Kornegalle, apparently quite wild.

Legumen oblongum, inflatum, membranaceum, marginatum, indehiscens, rostratum, stipitatum, $2\frac{1}{2}$ –3 poll. longum, $1\frac{1}{4}$ – $1\frac{1}{2}$ latum, 1–2-spernum, stipite $\frac{1}{2}$ poll. longo. *Semina* ovoidea, lævia, nigra, 8–9 lin. longa, 7 lin. lata, *carunculo* rubro 1 lin. alto semicincta, *testa* coriacea, *cotyledonibus* duris crassis consolidatis.

35. PHASEOLUS, Linn.

(Nom. vernac. "Wal-maa.")

1. *P. Truxillensis*, H.B.K.—*P. rostratus*, Wall. (W. et A. Prod. i. 244, cum syn.; Wight, Icones, t. 34.)—c.p. 1480.

HAB. Warmer parts of the island.

2. *P. radiatus*, Linn. (W. et A., l. c. 246, cum syn.)—c.p. 1473.

HAB. Very abundant up to an elevation of 2000 feet.

3. *P. trinervius*, Heyne, (W. et A., l. c. 245, cum syn.)—C.P. 1476.

HAB. Central Province, up to an elevation of 4000 feet.

4. *P. trilobus*, Ait. (W. et A., l. c. 246, cum syn.; Wight, Icones, t. 94.)—C.P. 1474.

HAB. Common amongst grass in the hotter parts of the island, varying greatly in the shape of the leaflets.

5. *P. Grahamianus*, W. et A., l. c. 244.—C.P. 3586.

HAB. Batticaloa.

Bracteolæ minutæ, rotundatæ, membranacæ, deciduæ. *Calyx* ciliatus, $1\frac{1}{2}$ lin. longus, *labio* superiore truncato emarginato, *lacinus* inferioribus brevibus subacutis. *Corolla* purpurea, circiter $\frac{1}{2}$ poll. longa.

6. *P. semierectus*, Linn.—*Phas. psoralioides*, W. et A. Prod. i. 244; Wight, Icones, t. 249.—C.P. 3609.

HAB. Central Province.

36. VIGNA, Savi.

1. *V. vexillata*, Benth.—*V. carinalis*, Benth.; Walp. Rep. v. 538.—C.P. 2781.

HAB. Abundant in the Central Province, up to an elevation of 4000 feet.

2. *V. luteola*, Benth. MSS. An *Dolichos luteus*, Sw. ?—C.P. 1482.

HAB. Not uncommon near the seacoast. Galle, *Gardner*; Colombo, *Ferguson*.

37. DOLICHOS, Linn.

1. *D. uniflorus*, Lam. (W. et A. Prod. i. 248, cum syn.)—C.P. 1475.

HAB. Central Province, *Gardner*.

2. *D. ciliatus*, Klein, (W. et A., l. c. 249, cum syn.)—C.P. 1469.

HAB. Hot, drier parts of the island.

3. *D. falcatus*, Klein, (W. et A., l. c. cum syn.)—C.P. 1472.

HAB. Hantani, *Gardner*; Batticaloa District.

38. LABLAB, Adans.

1. *L. vulgaris*, Savi, (W. et A. Prod. i. 250, cum syn.; Wight, Icones, t. 57, 203.)—C.P. 1470.

HAB. Common in the warmer parts of the island.

39. CAJANUS, DC.

1. *C. Indicus*, Spr. (W. et A. Prod. i. 256, cum syn.)—C.P. 720.

HAB. Ambagamowa, *Gardner*. Nom. vulg. "Rata-tora."

This is said to be not truly wild in the island, and the native name would also seem to indicate it.

40. DUNBARIA, W. et A.

1. *D. Heynei*, W. et A. Prod. i. 258.—*D. oblonga*, Arn. Pug. 15, (333.)—C.P. 1478.

HAB. Central Province; common, up to an elevation of 3000 feet.

41. **ATYLOSIA**, W. et A.

1. **A. Candollei**, W. et A. Prod. i. 257, cum syn.; Wight, Icones, t. 754.—? *A. major*, W. et A., l. c.—c.p. 55 (209, 224).

HAB. Very abundant amongst grass, in the Central Province, up to an elevation of 4000 feet. Nom. vulg. "Atta-tora."

2. **A. albicans**, Benth.—*Cantharospermum albicans*, W. et A., l. c. p. 256, cum syn.—c.p. 2783.

HAB. Hantani, *Gardner*.

3. **A. rugosa**, W. et A., l. c. p. 257.—c.p. 1441.

HAB. Central Province, up to an elevation of 5000 feet. Nom. vulg. "Wal-Cölloo."

4. **A. scarabæoides**, Benth.—*Cantharospermum pauciflorum*, W. et A. 255, cum syn.—c.p. 1442.

HAB. Hot, drier parts of the island.

42. **RHYNCHOSIA**, Lour.

1. **R. cana**, DC. (W. et A. Prod. i. 240, cum syn.)—c.p. 1280.

HAB. Abundant in the warmer parts of the island.

2. **R. minima**, DC. (Prod. ii. 385, cum syn.)—*R. medicaginea*, DC., l. c. 386; W. et A., l. c. 238, cum syn.—c.p. 1440.

HAB. Jaffna, *Gardner*.

3. **R. rufescens**, DC. (W. et A., l. c. 239, cum syn.; Arn. Pug. p. 14, 332, n. 42.)—c.p. 1424.

HAB. Batticaloa District; common.

43. **ABRUS**, Linn.

1. **A. precatorius**, Linn. (W. et A. Prod. i. 236, cum syn.)—c.p. 1466.

HAB. Not uncommon in the hotter parts of the island. Nom. vulg. "Olinda-wel."

2. **A. pulchellus**, Wall.; *foliolis* lineari-oblongis, 7-10-jugis; *paniculis* terminalibus, longe pedunculatis, racemiformibus, *ramis* earundem subsecundis incrassatis curvatis, *pedicellos* serie continua diu gerentibus; *leguminibus* compressis, subfalcatis, brevi-rostratis, circiter 9-spermis.—c.p. 1467.

HAB. Not uncommon in the hot, drier parts of the island.

Frutex scandens, volubilis, plus minus adpresse pilosus. *Stipulae* stipellæque parvæ, lanceolato-subulatæ. *Calyx* campanulatus, minute 5-dentatus, pedicello subæquilongus, 1 lin. longus. *Corolla* calyce 3-4-plo longior, pallide purpurea. *Legumina* 1½-2¼ poll. longa, 3½-4 lin. lata. *Semina* subrotundata, compressa, minute tuberculata, nigra, 2 lin. longa.

44. **NOMISMIA**, W. et A.

1. **N. nummularia**, W. et A. Prod. i. 237, cum syn.; Wight, Icones, t. 283.—c.p. 1439.

HAB. Jaffna, *Gardner*.

45. **CYANOSPERMUM**, W. et A.

1. **C. tomentosum**, W. et A. Prod. i. 260, cum syn.; Wight, Illust. i. p. 198. t. 81, 84 —c.p. 2471.

HAB. Central Province, at an elevation of 2000 to 3000 feet.

46. **PYCNOSPORA**, Brown, W. et A.

1. **P. nervosa**, W. et A. Prod. i. 197, cum syn.—c.p. 279.

HAB. Not uncommon up to an elevation of 2000 feet.

47. **FLEMINGIA**, Roxb.

1. **F. strobilifera**, Brown, (W. et A. Prod. i. 243, cum syn.; Wight, Icones, t. 267.)—c.p. 697.

HAB. Warmer parts of the island. Nom. vulg. "Hampilla."

2. **F. lineata**, Roxb. (W. et A., l. c. 242, cum syn.; Wight, Icones, t. 327.)—c.p. 1423.

HAB. Hot, drier parts of the island.

3. **F. congesta**, Roxb. (W. et A., l. c. 241, cum syn.; Wight, Icones, t. 390.)—c.p. 2663.

HAB. Ambagamowa District.

4. **F. semialata**, Roxb. (Fl. Ind. iii. p. 340; Wight, Icones, t. 326.)—c.p. 256, 3585.

HAB. Not uncommon in the warmer parts of the island.

48. **PTEROCARPUS**, Linn.

1. **P. Marsupium**, Roxb. (W. et A. Prod. i. 266, cum syn.)—c.p. 1495.

HAB. Central Province, up to an elevation of 3000 feet. Nom. vulg. "Gammaloo-gass."

The gum kino which exudes from the bark of this tree is used medicinally by the natives.

49. **PONGAMIA**, Linn.

1. **P. glabra**, Ventn. (W. et A. Prod. i. 262, cum syn.; Wight, Icones, t. 59.)—c.p. 1489 (1490).

HAB. Banks of rivers, common up to an elevation of 2000 feet. Nom. vulg. "Magool-karanda-gass."

50. **DERRIS**, Lour.

(Nom. vernac. "Calla-wel.")

The tough bark of the species of this and of some of the allied genera is used by the Cinghalese for making ropes.

1. **D. uliginosa**, Benth. (Walp. Ann. iv. p. 581.)—*Pongamia uliginosa*, DC.; W. et A. Prod. i. 262, cum syn.—c.p. 1494.

HAB. Hotter parts of the island.

2. **D. ovalifolia**, Benth., var.—*Pongamia ovalifolia*, W. et A. Prod. i. 262; Wight, Icones, t. 328.—c.p. 1493.

HAB. Hantani, Saffragam, and Ambagamowa Districts.

Scandens. *Foliola* ovata vel obovato-oblonga, apice rotundata vel abrupte brevicauminata, juniora rufescentia.

3. **D. sinuata**, Benth.; *foliolis* 3-jugis cum impari, ovatis vel ovato-lanceolatis, glabris, apice emarginatis, basi rotundatis; *paniculis* sæpissime terminalibus, elongatis, adpresse pilosis; *leguminibus* compressis, nitidis, reticulatis, rostrato-acuminatis, sæpe seminum abortu varie sinuatis, *marginem* seminifera alata.—C.P. 1491.

HAB. Batticaloa, *Gardner*; Cattura District.

Scandens. *Foliola* 1-4 poll longa, $\frac{1}{2}$ -2 poll. lata; *petiolulis* incrassatis, 2 $\frac{1}{2}$ lin. longis. *Pedicelli* calyce breviores. *Bracteolæ* minutæ, acutæ, cito deciduæ. *Corolla* pallide purpurea; *verillo* orbiculari, emarginato; *alis* anguste lanceolatis, subfalcatis, carinam apice fissam arcte amplexentibus. *Stamina* diadelphe, 9 et 1; *antheris* oblongis. *Semina* oblonga, parce curvata.

51. BRACHYPTERUM, Benth.

1. **B. scandens**, W. et A. (Walp. Ann. iv. 579, cum syn.; Wight, Icones, t. 275.)—C.P. 1492.

HAB. Abundant in the hotter parts of the island.

2. **B. Bentharii**, Thw.; *foliolis* 2-3-jugis cum impari, oblongis, obtuse brevicauminatis, glabris; *paniculis* terminalibus, elongatis, adpresse pilosis, *ramis* racemiformibus; *pedicellis* solitariis; *leguminibus* oblongis, adpresse pilosis.—C.P. 2925.

HAB. Ooma Oya, on the Lower Badulla Road from Kandy.

Scandens. *Foliola* 1 $\frac{1}{2}$ -4 $\frac{1}{2}$ poll. longa, $\frac{1}{2}$ -2 poll. lata, *petiolulo* 1 $\frac{1}{2}$ -2 lin. longo. *Pedicelli* calyce æquilongi. *Calyx* rubiginosus, antice brevi-3-dentatus. *Petala* pallide rosea. *Ovarium* circiter 4-ovulatum. *Legumina* 1-1 $\frac{1}{2}$ poll. longa, 6-7 lin. lata.

This species, in general appearance, closely resembles the preceding, but is sufficiently distinguished by the different character of the inflorescence and the width of the legumes.

3. **B. elegans**, Thw.; *foliolis* 3-4-jugis cum impari, ellipticis vel oblongis, abrupte brevicauminatis, glabris, subtus minutissime reticulatis; *paniculis* axillaribus terminalibusque, glabris, folis subæquilongis, racemiformibus; *pedicellis* fasciculatis; *leguminibus* linearibus, apice rotundatis, oblique apiculatis, 1-2-spermis, glabris.—C.P. 2508.

HAB. Central Province, at no great elevation.

Scandens. *Foliola* 1 $\frac{1}{2}$ -2 poll. longa, $\frac{1}{4}$ -1 poll. lata, membranacea; *petiolulo* tenui, 2 lin. longo. *Pedicelli* 2 lin. longi. *Calyx* minute ciliatis, 1 lin. longus, antice brevi-3-dentatus, basi *bracteolis* 2 minutis lanceolatis ciliatis suffultus. *Ovarium* 2-ovulatum. *Legumina* 1 $\frac{3}{4}$ -2 $\frac{1}{2}$ poll. longa, $\frac{1}{2}$ poll. lata.

52. DALBERGIA, Linn.

1. **D. Mooniana**, Thw.—*D. Lanceolaria*, Moon's Cat. p. 51; *foliolis* 5-8, alternis, majusculis, ovatis vel oblongis, acuminatis, subtus pallidioribus minutè reticulatis; *paniculis* terminalibus; *leguminibus* linearibus, marginatis, stipitatis, rostratis, 1-6-spermis, sæpe seminum abortu varie sinuatis.—C.P. 439.

HAB. Southern and central parts of the island, at no great elevation. Nom. vulg. "Nadoong-gass."

Arbor ingens. *Ramuli* albo-punctati. *Gemmae* pilosæ. *Folia* glabra, rachi petiolisque pilosis, denique glabris. *Foliola* 2 $\frac{1}{2}$ -7 poll. longa, 1 $\frac{1}{2}$ -3 poll. lata,

petiolulo $1\frac{1}{2}$ lin. longo. *Stipula* lanceolata, pilosæ, deciduæ, 2 lin. longæ. *Legumina* coriacea, lævia, obscure reticulata, 11 lin. lata, marginibus 1 lin. latis superiore crassiore.

This tree produces a very good timber, well adapted for furniture and for buildings.

2. **D. Championii**, Thw. — *Endospermum Zeylanicum*, Champion, MSS.; *foliolis* 2-4, alternis vel suboppositis, ellipticis acuminatis reticulatis, magnitudine valde variis, superne glabris, subtus fugaci pilosulis, *paniculis* terminalibus pilosis foliosis, leguminibus membranaceo-foliaceis, monospermis, linearilanceolatis, subacutis, stipitatis, adpresse pilosulis, medio reticulatis.—c.p. 761 (772).

HAB. Central Province, at an elevation of 1000 to 3000 feet.

Scandens. *Foliola* 2-6 poll longa, 1-3 poll. lata; *petiolulo* tumidulo, $\frac{1}{2}$ poll. longo. *Flores* 3 lin. longi. *Calyx* albidus, ferrugineo-pilosulus, dentibus æquilongis, tubo duplo brevioribus, 2 sup. rotundatis, reliquis acutis. *Petala* albidæ, pallide rufo-venosa, longe unguiculata. *Stamina* 9, monadelphæ. *Ovarium* longe stipitatum, 1-ovulatum.

This species is evidently very closely allied to Blume's *Endospermum scandens*.

3. **D. frondosa**, Roxb. (W. et A. Prod. i. 266, cum syn.)—c.p. 1406.

HAB. Not uncommon in forests, in the Central Province and elsewhere, up to an elevation of 3000 feet.

I have not met with any plants in Ceylon corresponding with the descriptions of *Dalbergia lanceolata*, Linn. f., and *Dalbergia Zeylanica*, Roxb.

4. **D. monosperma**, Dalzell.—c.p. 243.

HAB. Ceylon, Walker (in Herb. Hook.).

53. SOPHORA, Linn., R. Br.

1. **S. tomentosa**, Linn. (W. et A. Prod. i. 179, cum syn.; Walp. Ann. iv. 586, cum syn.)—c.p. 1487.

HAB. Seacoast, in the Galle District. Nom. vulg. "Moodoo-moroonga."

2. **S. heptaphylla**, Linn. (Walp. Ann. l. c.; Wight, Icones, t. 1155.)—c.p. 570.

HAB. Central Province, at an elevation of 4000 to 7000 feet.

3. **S. violacea**, Thw.; *foliolis* 7-12-jugis cum impari, ellipticis, obtusis, brevissime mucronulatis, pilosulis, subtus pallidioribus; *racemis* terminalibus, multifloris, adpresse pilosis, folio subæquilongis; *leguminibus* pilosulis, valde constrictis, nodis ovoidæis.—c.p. 3546.

HAB. Galle District, between Dickwelle and Matura.

Frutex mediocris. *Ramuli* *petiolisque* adpresse pilosi. *Stipula* bracteæque minutæ, subulatæ, deciduæ. *Foliola* 6-15 lin longa, 3-7 lin. lata, *petiolulo* $\frac{1}{2}$ -1 lin. longo. *Calyx* tubulosus, margine 5-lobus, pedicello æquilongo oblique affixus. *Petala* violacea, longe unguiculata, *verillo* distante recurvato, *alis* carina angustioribus longioribusque. *Ovarium* circiter 7-ovulatum. *Semina* ovoidæa, rubra.

SUBORD. 2. CÆSALPINIÆ, R. Br.

54. GUILANDINA, Linn.

1. **G. Bonduc**, Linn. (W. et A. Prod. i. 280, cum syn.)—c.p. 1524.

HAB. Common up to an elevation of 3000 feet. Nom. vulg. "Koombooroo-wel."

Every part of this plant is used medicinally by the natives.

55. CÆSALPINIA, Linn.

1. *C. paniculata*, Roxb. (W. et A. Prod. i. 281; Wight, Icones, t. 36.)—c.p. 1525.

HAB. Common up to an elevation of 3000 feet. Nom. vulg. "Deyawawool-atteya."

2. *C. digyna*, Rottl. (W. et A., l. c. cum syn.)—c.p. 1527.

HAB. Korneegalle, *Gardner*.

3. *C. mimosoides*, Lam. (W. et A., l. c. cum syn.; Wight, Icones, t. 392.)—c.p. 3601 (2784 *partim*).

HAB. Abundant in the warmer parts of the island. Nom. vulg. "Goda-wawool-atteya."

4. *C. sepiaria*, Roxb. (W. et A., l. c. 282, cum syn.; Wight, Icones, t. 37.)—c.p. 3602 (2784 *partim*).

HAB. Abundant up to an elevation of 3000 feet.

56. TAMARINDUS, Linn.

1. *T. officinalis*, Hook. (Walp. Ann. iv. 595, cum syn.)—Var. *a*, *F. Indica*, DC.—c.p. 1501.

HAB. Hot, drier districts of the island, but probably not truly indigenous to Ceylon. Nom. vulg. "Seyembala."

The ripe fruit is used as a condiment for curries: a decoction of the fresh leaves is employed as a detergent for foul wounds and sores.

57. CASSIA, Linn.

1. *C. Fistula*, Linn. (W. et A. Prod. i. 285, cum syn.; Walp. Ann. iv. 595, cum syn.)—*C. rhombifolia*, Roxb. Fl. Ind. ii. 334; Wight, Icones, t. 269.—c.p. 1502.

HAB. Very abundant in the hot, drier parts of the island. Nom. vulg. "Ahalla-gass."

Every part is used medicinally by the Cinghalese as a purgative. The heart of the tree yields a good timber.

2. *C. Roxburghii*, DC. (W. et A., l. c. 286, cum syn.; Wight, Illust. i. 198. t. 83.)—c.p. 1505.

HAB. Frequently growing with the preceding, and is equally abundant. Nom. vulg. "Ratoo-waa."

3. *C. tomentosa*, Linn. f. (W. et A., l. c. cum syn.; Walp. Ann. iv. 596, cum syn.)—c.p. 2410.

HAB. Newera Ellia, at an elevation of 7000 feet.

4. *C. Sophora*, Linn. (W. et A., l. c. 287, cum syn.)—c.p. 1507.

HAB. Hotter parts of the island; not uncommon. Nom. vulg. "Ooroo-tora."

5. *C. occidentalis*, Linn. (W. et A., l. c. 290, cum syn.)—c.p. 1262.

HAB. Very abundant up to an elevation of 2000 feet. Nom. vulg. "Penni-tora."

The tender leaves of this and the next species are eaten by the Cinghalese in their curries.

6. *C. Tora*, Linn. (W. et A., l. c. cum syn.; Walp. Ann. l. c. cum syn.)—c.p. 2785.

HAB. Very abundant on roadsides, etc.

7. *C. glauca*, Linn. (W. et A., l. c. p. 289, cum syn.; Walp. l. c. p. 597, cum syn.)—c.p. 1526.

HAB. Colombo, *Moon*. Nom. vulg. "Wal-ahalla-gass."

8. *C. auriculata*, Linn. (W. et A., l. c. p. 290, cum syn.)—c.p. 1503.

HAB. Abundant in many parts of the island near the seacoast. Nom. vulg. "Ranawari."

A decoction or infusion of the leaves of this plant is much esteemed as a cooling medicine by the Cinghalese.

9. *C. florida*, Vahl, (W. et A., l. c. p. 288, cum syn.; Walp. Ann. iv. 597, cum syn.)—c.p. 3485.

HAB. Banks of rivers, in the Central Province, up to an elevation of 2000 feet. Nom. vulg. "Waa-gass."

The wood of this tree is extremely hard and durable.

10. *C. Timoriensis*, DC. Prod. ii. 499; Walp. l. c. cum syn.—c.p. 1504.

HAB. Not uncommon in the warmer parts of the island. Nom. vulg. "Arrainana."

11. *C. Absus*, Linn. (W. et A., l. c. p. 291, cum syn.; Walp. l. c. p. 598, cum syn.)—c.p. 1506.

HAB. Very common amongst high grass, up to an elevation of 3000 feet. Nom. vulg. "Boo-tora."

12. *C. mimosoides*, Linn. (DC. Prod. ii. 503; Walp. Rep. i. 837; Walp. Ann. iv. 598.)—c.p. 1510.

Var. *γ. villosula*; tota planta pilis longis subpatentibus flavis sparse tecta; foliis petiolo majoribus, aristato-mucronatis.—c.p. 3603. An species distincta?

HAB. Abundant amongst high grass, in exposed situations, up to an elevation of 4000 feet. Var. *γ*. Maturatte District.

Var. *γ* is probably a distinct species, the bracteolæ near the apex of the pedicel are nearer to the base of the flower than in the typical form of *C. mimosoides*, and the petiolar gland is a little below instead of between the last pair of leaflets.

13. *C. Wallichiana*, DC.; caule erecto, rigido, parce ramoso; foliolis 20-25-jugis, oblongo-linearibus, aristato-mucronatis; glandula paulo supra medium petioli subsessili; pedicellis supra-axillaribus, fasciculatis; staminibus 10, valde inæqualibus.—c.p. 2786.

HAB. Open, grassy places in the Central Province. Hantani, *Macrae*. Haragam, near Kandy. Nom. vulg. "Bin-seyembala."

Caulis teres, 1-4-pedalis, pilosulus. *Foliola* glabra, margine ciliolata, 5-9 lin. longa, 1-1½ lin. lata. *Fasciculi* circiter 4-flori, *pedicellis* 2-4 lin. longis. *Calyx* pilosulus. *Petala* basi interne, cum staminibus partim, rufo-tincta. *Legumina* pilosula.

Sufficiently distinguished from the preceding species by the darker colour of the stems and foliage, the much larger leaves, shorter pedicel, and different shape and position of the petiolar gland.

14. *C. Kleinii*, W. et A., l. c. p. 293, cum syn.; Walp. Rep. i. 837.—c.p. 1508 (1509).

Var. *β. pilosa*; planta tota patentim dense pilosa.

HAB. Abundant in similar situations to the last. Var. *β. Hantani* District. Nom. vulg. "Bin-seyembala."

CASSIA ALATA, Linn., has become naturalized in various parts of the island.

58. JONESIA, Roxb.

1. *J. Asoka*, Roxb. (W. et A. Prod. i. 284, cum syn.; Wight, Icon. t. 206; Walp. Ann. iv. 609)—c.p. 653.

HAB. Sides of streams, under the shade of larger trees, up to an elevation of 3000 feet. Very abundant in the Bintenne District. Nom. vulg. "Deya-ratmal."

59. HUMBOLDTIA, Vahl.

1. *H. laurifolia*, Vahl, (W. et A. Prod. i. 285, cum syn.; Wight, Icones, t. 1605.)—c.p. 328.

HAB. Very abundant in the Ambagamowa and Ratnapoora Districts, on the shady banks of streams. Nom. vulg. "Gal-karanda."

60. DIALIUM, Linn.

1. *D. ovoideum*, Thw.; *foliis* bijugis, suboppositis, cum impari, lanceolatis, apice retusis, superne glabris, subtus sparse minutissime puberulis; *paniculis* terminalibus adpresso incano-pilosis, *folio* longioribus; *bracteolis* lanceolatis, cito deciduis; *sepalis* lanceolatis; *legumine* ovoides, parce compresso, subsessili, 1-2-spermo, velutino.—c.p. 3149.

HAB. Districts north of Kandy, at no great elevation. Nom. vulg. "Gal-seyembala-gass."

Arbor ingens, ramulis rugosulis. *Foliola* 2-3 poll longa, $\frac{1}{2}$ -1 $\frac{1}{4}$ lata, *petiolulo* tumidulo 2 lin. longo. *Flores* albidæ, circiter 3 lin. longi, *pedicellis* parum longiores. *Antheræ* oblongæ, extrorsæ, in anthesi filamentis subæqualongæ. *Ovarium* in disco annulari viridi sessile, 2-ovulatum, *stilo* subulato, apice obtusiusculo. *Legumen* atro-brunneum, 7-8 lin. longum, 5-6 lin. latum. *Semina* rotundata, compressa, striata, nitida, ochraceo-vel rufo-brunnea, 4 lin. longa.

The fruit of this species is of an agreeable acid flavour, and is sold in the bazaars. The wood is strong and handsome, and well adapted for ornamental furniture.

61. CYNOMETRA, Linn.

1. *C. ramiflora*, Linn. (W. et A. Prod. i. 293; Walp. Ann. iv. 601.)—c.p. 1500.

Var. *α*; *foliis* omnibus 1-jugis.—c.p. 3604.

Var. *β. heterophylla*; *foliis* versus basin innovationum 2-jugis, versus apicem 1-jugis.

HAB. Var. *α*. Batticaloa District. Var. *β*. Trincomalee, Gardner. Caltura District. Nom. vulg. "Gal-mendora-gass."

Not having been so fortunate as to obtain the flowers or fruit of var. *α*, I am unable to determine whether var. *β* is really distinct, as a species, from it, but I almost suspect it will prove so, the leaflets being much less acuminate, and slightly different in other respects.

62. **BAUHINIA**, Linn.

1. **B. tomentosa**, Linn. (W. et A. Prod. i. 295, cum syn.; Walp. Ann. iv. 602, cum syn.)—c.p. 1498.

HAB. Hot, drier parts of the island. Nom. vulg. "Kaha-pettang."

63. **PILIOSTIGMA**, Hochstett.

1. **P. racemosum**, Benth. (Walp. Ann. iv. 607, cum syn.)—*Bauhinia racemosa*, Lam.; W. et A. Prod. i. 295, cum syn.—c.p. 1497.

HAB. Very abundant in the hot, drier parts of the island. Nom. vulg. "Myla-gass."

The bark of this tree is very tough, and is made into ropes by the Cinghalese. The leaves are a very favourite food of the elephant.

SUBORD. 3. *MIMOSEÆ*.64. **ENTADA**, Adans.

1. **E. scandens**, Benth. (Hook. Journ. of Bot. iv. 332.)—*E. Pursaetha*, DC.; W. et A. Prod. i. 267, cum syn.—c.p. 2661.

HAB. Very abundant, up to an elevation of 2000 feet. Nom. vulg. "Poos-wel."

The tough bark of this plant is used for making cord and ropes: the juice of the leaves is employed for stupefying fish.

65. **ADENANTHERA**, Linn.

1. **A. pavonina**, Linn. (W. et A. Prod. i. 271, cum syn.)—c.p. 3605.

HAB. Warmer parts of the island; very common, but generally in or near native gardens. Nom. vulg. "Madateya-gass."

2. **A. bicolor**, Moon's Cat. p. 34 (sine syn.); *foliis* bipinnatis, glabris; *pinnis* distantibus, 1-3-jugis, suboppositis, apiculo parvo terminatis, 6-8-foliolatis; *foliolis* alternis, ovato-lanceolatis, minute apiculatis; *leguminibus* linearibus, varie contortis; *seminibus* rotundatis, compressis, nitidis, dimidiato-bicoloribus.—c.p. 324.

HAB. Not uncommon in the south of the island, at no great elevation. Nom. vulg. "Mas-moroo-gass."

Arbor mediocris, 15-20-pedalis. *Ramuli* teretes, glabri, nitidi, infra nodos bicallosi, cum racemis foliorumque rachi, atro-rubri. *Petioluli* basi tumidi, superne minute glandulosi, subsulcati. *Stipulae* minutissimae, subulatae. *Folia* 1-1½ poll. longa, 6-9 lin. lata, superne nitida, subtus opaca, pallidiora, rufescentia, costa nervisque rubris, *petiolulo* tumidulo 1 lin. longo. *Racemi* axillares, multiflori, folio multum breviores, parce fugaci-pilosi. *Pedunculi* 1½ lin. longi, infra medium articulati, basi 1-bracteolati. *Flores* glabri, rubri, 1 lin. longi. *Calyx* minutus, acute 5-dentatus. *Petala* lanceolata. *Stamina* glandula terminali alba, polline flavo. *Ovarium* stipitatum, circiter 10-ovulatum. *Legumina* 5-6 lin. lata. *Semina* 4 lin. in diam., coccinea, dimidio apicali nigro, *funiculo* 2 lin. longo.

66. **DESMANTHUS**, Benth.

Hook. Journ. of Bot. vol. iv. p. 356.

1. **D. virgatus**, Willd. (W. et A. Prod. i. 270, cum syn.; Walp. Ann. iv. 614, cum syn.)—c.p. 3606.

HAB. Peradenia, *Alwis*. Probably introduced.

67. NEPTUNIA, Lour.

1. *N. oleracea*, Lour. (Benth. in Hook. Journ. of Bot. iv. 354; Walp. Rep. i. 863, cum syn.)—c.p. 1516.

HAB. Very common in shallow water, and on the borders of tanks in the hotter parts of the island. Nom. vulg. "Gass-nidi-koomba."

MIMOSA PUDICA, Linn., is become quite naturalized, and a troublesome weed in some parts of the island.

68. DICHROSTACHYS, DC.

1. *D. cinerea*, W. et A. Prod. i. 271, cum syn.; Benth. in Hook. Journ. of Bot. iv. 353; Wight, Icones, t. 357.—c.p. 1523.

HAB. Abundant in the hot, drier parts of the island. Nom. vulg. "Andara-gass."

69. ACACIA, Willd.

1. *A. eburnea*, Willd. (W. et A. Prod. i. 276, cum syn.; Benth. in Lond. Journ. of Bot. i. 501; Walp. Rep. i. 912.)—c.p. 1521.

HAB. North of the island, *Gardner*.

2. *A. tomentosa*, Willd. (W. et A., l. c.; Benth. l. c.; Walp. Rep. l. c.)—c.p. 744.

HAB. North of the island, *Gardner*.

3. *A. leucophloea*, Willd. (W. et A., l. c. p. 277, cum syn.; Benth. l. c. 503; Walp. l. c.)—c.p. 1520.

HAB. Hot, drier parts of the island. Nom. vulg. "Katoo-andara-gass."

4. *A. Catechu*, Willd. (W. et A., l. c. p. 272, cum syn.)—c.p. 3547.

HAB. Hot, drier parts of the island. Nom. vulg. "Rat-kihiri-gass."

An infusion of the wood of this tree is much esteemed by the Singhalese as a purifier of the blood; and drinking-cups are often made of it.

5. *A. concinna*, DC. (Benth. l. c. p. 514; Walp. l. c. p. 916; W. et A., l. c. p. 277, cum syn.)—c.p. 1519.

HAB. Very common, up to an elevation of 3000 feet. Nom. vulg. "Hingooroo-wel."

6. *A. Intsia*, Willd. (Benth. l. c. p. 515; Walp. l. c.; W. et A., l. c. p. 278.)—c.p. 3607 (1519 *partim*).

HAB. Hot, drier parts of the island.

7. *A. pennata*, Willd. (Benth. l. c. p. 516; Walp. l. c. p. 917; W. et A., l. c. p. 277, cum syn.)—c.p. 3300.

HAB. Haragam, near Kandy.

My specimens of this plant are nearly free from prickles.

ACACIA FARNESIANA, Willd., has become quite naturalized, and very abundant in some of the hotter parts of the island.

70. ALBIZZIA, Durazzini, Benth.

1. *A. Lebbek*, Benth. Hook. Journ. of Bot. iii. 87; Walp. Rep. v. 596.—*Acacia speciosa*, Willd.; W. et A. Prod. i. 275, cum syn.—c.p. 3130.

HAB. Anooradhapoor, *Mr. Brodie*; banks of the Ooma Oya, in the Badulla District.

2. *A. odoratissima*, Benth. l. c. p. 88; Walp. l. c.—*Acacia odoratissima*, Willd.; W. et A., l. c. cum syn.—c.p. 1529.

HAB. Warmer parts of the island, up to an elevation of 2000 feet. Nom. vulg. "Horec-mārā-gass."

3. *A. amara*, Boivin, (Benth. l. c. p. 90; Walp. l. c. p. 597.)—*Acacia amara*, Willd.; W. et A., l. c. p. 274, cum syn.—c.p. 1518.

HAB. North of the island, *Gardner*.

4. *A. stipulata*, Benth. l. c. p. 92; Walp. l. c. p. 598, cum syn.—*Acacia stipulata*, DC.; W. et A., l. c.—c.p. 1517.

HAB. Warmer parts of the island, up to an elevation of 2000 feet. Nom. vulg. "Cabal-mārā-gass."

71. PITHECOLOBIUM, Martius.

Sectio *Concordia*, Benth. in Hook. Journ. of Bot. vol. iii. p. 202.

1. *P. geminatum*, Benth. l. c.; Walp. Rep. v. 611.—*Inga geminata*, W. et A. Prod. i. 269, cum syn.—c.p. 1531.

HAB. Jaffna, *Gardner*; Binten District.

2. *P. umbellatum*, Benth. l. c.; Walp. l. c.—*Inga umbellata*, Willd.; W. et A., l. c. p. 270, cum syn.—c.p. 1530.

HAB. North of the island, *Gardner*; Teldenia.

Sectio *Clypearia*, Benth. l. c. p. 207.

3. *P. bigeminum*, Mart. (Benth. l. c.; Walp. l. c.)—*Inga bigemina*, Willd.; W. et A., l. c. p. 269, cum syn.—c.p. 644.

HAB. Very abundant in the warmer parts of the island, and up to an elevation of 4000 feet. Nom. vulg. "Calateya-gass."

Legumina interne flavo-rufa. *Semina* oblonga, 7 lin. longa, 5 lin. lata; *testa* membranacea, nigra, subnitida, interne fusca, *funiculo* tenui, nigro, 2 lin. longo. *Embryo* molis, graveolens; *cotyledonibus* crassis, *radiculam* includentibus, basi fissis.

4. *P. subcoriaceum*, Thw.; *ramulis*, *paniculis* *petiolisque* fusco-puberulis; *pinnis* 3-jugis; *foliis* 15-20-jugis, subcoriaceis, lineari-oblongis, basi apiceque valde obliquis, subtus fusco-puberulis; *glandulis* clypeiformibus; *petiolaribus* sapissime 2, inter se et petioli basi apiceque distantibus; *jugalibus* solitariis, inter pinnarum paria mediis.—c.p. 337.

HAB. Central Province, at an elevation of 4000 to 6000 feet; not uncommon. Nom. vulg. "Meemini-mārā."

Arbor ingens, 30-40-pedalis. *Ramuli* subangulati. *Foliola* 2-7 lin. longa, 1½-2 lin. lata, subtus pallidiora. *Capitula* 3-12 flora. *Flores* puberuli, pallide virides, 1-bracteolati. *Corolla calyce* tubuloso 5-dentato plus duplo longior. *Stamina* numerosa, longe exserta. *Ovarium* longe stipitatum, pubescens. *Legumen* puberulum, cochleatum, circiter 6-spermum.

LXI. ROSACEÆ.

1. PHOTINIA, Lindl.

1. *P. Notoniana*, W. et A. Prod. i. 302; Wight, Illust. t. 86; Icones, t. 991.—c.p. 136.

HAB. Central Province, at an elevation of 6000 to 7000 feet.

The usually bilocular ovary of this plant would seem to distinguish it principally from *Photinia integrifolia* of Lindley, in which the ovary is said to be "semper triloculare."

2. RUBUS, Linn.

Sect. 1. *Foliis pinnatis*.

1. **R. lasiocarpus**, Smith, (W. et A. Prod. i. 299, cum syn.; Wight, Icones, t. 232.)—c.p. 1533, 1534.

Var. β . *subglaber*.—*R. leucocarpus*, Arn. Pug. p. 16 (334); Walp. Rep. ii. p. 19.

HAB. Central Province, up to an elevation of 6000 feet.

This species, like many other plants previously referred to, has, when growing in the more elevated districts of the island, somewhat larger flowers than when it occurs nearer the level of the sea.

Sect. 2. *Foliis 3-foliolatis*.

2. **R. flavus**, Ham. (Don, Prod. Fl. Nep. 234; DC. Prod. ii. 559.)—*R. Gourecphul*, Roxb.; W. et A., l. c. 298, cum syn.; Wight, Icones, t. 230.—c.p. 2596.

HAB. Central Province, at an elevation of 4000 to 7000 feet.

Sect. 3. *Foliis simplicibus*.

3. **R. rugosus**, Smith, (W. et A. l. c.)

Var. α ; *bracteis* ovatis, integris vel ad apicem plus minus incisodentatis; *fructibus* parvis, rubris. Wight, Icones, t. 225.—c.p. 2765.

Var. β ; *foliis* minoribus acutioribusque; *stipulis* *bracteisque* profunde capillaceo-incisis; *petalis* parvis; *fructibus* mediocribus, atrobentibus.—*R. micropetalus*, Gardn. in Calc. Journ. of Nat. Hist. vol. viii. p. 6.—c.p. 1536, 1537.

Var. γ ; *tomento* pallido; *foliis* valde coriaceis rugosisque; *stipulis* *bracteisque* plus minus profunde incisis; *paniculis* densis; *calycis* lobis ovato-lanceolatis, conspicue dentatis; *fructibus* mediocribus, atro-sanguineis.—*R. Fairholmanus*, Gardner, l. c. p. 5.—c.p. 134.

Var. δ ; *aculeis* brevibus; *stipulis* *bracteisque* plus minus profunde incisis vel inciso-dentatis; *paniculis* paucifloris; *floribus* majoribus; *petalis* calyce subæquilongis; *fructibus* majoribus nigris.—*R. macrocarpus*, Gardner, l. c. p. 7.—c.p. 1535.

HAB. Var. α . Not uncommon at an elevation of 1000 to 5000 feet. Var. β . Rambodde, at 5000 feet. Var. γ . Bopatalawe Plains (Gardner), and Oova District, at 6000 feet. Var. δ . Newera Ellia, etc., at 6000 to 7000 feet.

The most characteristic forms of the above varieties might, in a less variable genus, pass very well for species; but, after an examination of numerous specimens, I find it quite impossible to draw up such distinctive definitions of them as could with propriety be considered specific, and therefore think it safer to describe them as forms of one variable species, which I believe them to be.

3. POTENTILLA, Linn.

1. **P. Mooniana**, Wight, Icones, t. 233.—? *P. polyphylla*, Wall. Cat. 1026; Lehm.; Walp. Rep. ii. p. 30.—c.p. 2767.

HAB. Horton Plains, at an elevation of 7000 feet.

Herba perennis, stolonifera. *Caules* suberecti, elongati, patentim pilosi. *Folia* interrupte pinnata, pilosa. *Foliola* numerosa, (majora oblonga, minora orbicularia,) subsessilia, acute dentata, subtus pallidiora, costa venisque longe adpresse pilosis. *Achenia* levia.

In my specimens of this plant the bracteolæ are entire and smaller than the calyx-lobes, and not, as in Dr. Wight's figure, larger and toothed. *P. polyphylla*, Wall, would seem to differ principally in being quite glabrous and in the leaflets being crenately and not acutely toothed. *P. splendens*, Don, Prod. Fl. Nep. p. 230, is evidently closely allied to these.

2. **P. Kleiniana**, W. et A. Prod. i. 300; Wight, Illust. t. 85.—C.P. 2768.

HAB. Central Province, at an elevation of 6000 to 7000 feet.

4. AGRIMONIA, Tournef.

1. **A. Eupatoria**, Linn. (Wight, Icon. t. 224).—*A. Zeylanica*, Moon's Cat. p. 37.—C.P. 2769.

HAB. Central Province, at an elevation of 5000 to 7000 feet.

5. ALCHEMILLA, Tournef.

1. **A. vulgaris**, Linn. (Wight, Icones, t. 229.)

Var. β . *sarmentosa*.—*A. Indica*, Gardner, in Calc. Journ. of Nat. Hist. vol. viii. p. 8.—C.P. 2770.

HAB. Central Province, at an elevation of 5000 to 7000 feet; not uncommon.

6. POTERIUM, Linn.

1. **P. Indicum**, Gardner, in Calc. Journ. of Nat. Hist. vol. viii. p. 10; "*caulibus* angulatis, basi ferrugineo-villosis; *foliis* ovatis, obtusis, grosse dentato-serratis, basi subcordatis; *inferioribus* multo minoribus; *capitulis* polygamis; *bracteis* ciliatis; *calycibus* fructiferis osseo-induratis, reticulato-rugulosis, 4-angularibus; *angulis* alatis." Gardner.—C.P. 2771.

HAB. "Adam's Peak, 1835. Mr. Alwis," Gardner.

I have searched in vain for this plant in my visits to Adam's Peak, and Mr. Alwis has now no vivid recollection of gathering it there. The specimens in this Herbarium are in a very imperfect condition, and bear a considerable resemblance to *P. Sanguisorba*, Linn.

7. PYGEUM, Gærtner.

1. **P. Ceylanicum**, Gærtn. Fruct. i. 218. t. 46. — *P. Walkerii*, Blume; Walp. Ann. iv. 642.—*Polyodontia? Walkerii*, Wight, Illust. i. 203.—? *Pygeum acuminatum*, Colebr. Linn. Tr. xii. 360. t. 18.—C.P. 1532.

HAB. Warm, moister parts of the island, up to an elevation of 3000 feet. Nom. vulg. "Kankoombalakatteya-gass," "Gal-mora-gass."

Arbor majuscula. *Folia* 4-7 poll. longa, 2-3 poll. lata, petiolo circiter $\frac{1}{2}$ poll. longo. *Racemi* foliis breviores. *Drupæ* brevi-tomentose, denique subglabræ.

2. **P. Wightianum**, Blume, Walp. l. c.—*Polyodontia? Ceylanica*, Wight, l. c.; Icones, t. 256.—C.P. 638.

Var. *β. parvifolium*.—*P. parvifolium*, Gardn. MSS.—c.p. 1596.

HAB. Central Province, at an elevation of 4000 to 8000 feet. Nom. vulg. "Oonoono-gass."

Arbor mediocris. *Folia* ovata vel ovato-lanceolata, brevi-acuminata, glabra, $1\frac{1}{2}$ –5 poll. longa, $\frac{3}{4}$ – $2\frac{1}{2}$ poll. lata, *petiolo* $2\frac{1}{2}$ –4 lin. longo. *Racemi* pilosi, foliis breviores. *Drupe* glabra, transverse oblongæ.

The ripe seeds of this and of the preceding species have, when bruised, a very powerful odour of prussic acid.

LXII. COMBRETACEÆ.

1. COMBRETUM, Löffl.

1. *C. Wightianum*, Wall. (W. et A. Prod. i. 317; Wight, Icones, t. 227.)—c.p. 1601, 1602.

HAB. Not uncommon up to an elevation of 3000 feet. Nom. vulg. "Kadoorookettya-wel."

When growing on the hills, this plant has somewhat larger flowers than when it occurs near the level of the sea.

2. LUMNITZERA, Willd.

1. *L. racemosa*, Willd. (W. et A. Prod. i. 316, cum syn.)—c.p. 1594.

HAB. Seacoast; not uncommon. Nom. vulg. "Baireya-gass."

3. CONOCARPUS, Gartner.

1. *C. latifolia*, Roxb. (W. et A. Prod. i. 316, cum syn.; Wight, Icones, t. 994.)—*Anogeissus*, Wall.—c.p. 1220.

HAB. Open, grassy places, in the district north of Kandy, up to an elevation of 1500 feet. Nom. vulg. "Daawoo-gass."

4. TERMINALIA, Linn.

Sect. 1. *Myrobalanus*.

1. *T. Belerica*, Roxb. (W. et A. Prod. i. 313, cum syn.)—c.p. 1605.

HAB. Open, grassy places, up to an elevation of 2000 feet. Nom. vulg. "Booloo-gass."

2. *T. Chebula*, Retz. (W. et A., l. c. cum syn.)—c.p. 1604.

HAB. Similar places with the last. Nom. vulg. "Araloo-gass."

The drupes of this and of the preceding species are much valued as a medicine, and are sold in the bazaars.

3. *T. parviflora*, Thw.; *foliis* suboppositis, oblongis, abrupte acuminatis, integris, glabris, subtus minutissime reticulatis petioloque eglandulosis; *spicis* pilosulis, terminalibus, paniculatis, foliis subæquilongis; *drupis* ovoideis, carnosiss, subpentagonis; *putamine* profunde lateque 5-sulcato.—c.p. 618, 646.

HAB. Margins of woods in the Central Province, up to an elevation of 4000 feet; abundant in the Ambagamowa District. Nom. vulg. "Hampalanda-gass."

Arbor magna. Ramuli petiolique juniores fugaci-ferrugineo-pilosi. Folia 3-5 poll. longa, 1½-2½ poll. lata, petiolo 3-5 lin. longo. Flores parvi, albid. Calyx campanulatus, brevi-dentatus, externe pilosulus, interne villosus. Drupæ glabræ, virides, pollicares.

Sect. 2. *Pentaptera*.

4. **T. glabra**, W. et A., l. c. p. 314, cum syn.—c.p. 1603.

HAB. Very abundant on the banks of rivers, up to an elevation of 2000 feet. Nom. vulg. "Koombook-gass."

In my specimens the ramuli and the under side of the young leaves are puberulous, furnishing an additional reason for believing *Pent. tomentosa*, Roxb., to be merely a variety of the present plant, as suspected by Dr. Wallich.

LXIII. MELASTOMACEÆ.

Sect. *Melastomeæ*.

1. OSBECKIA, Linn.

(Nom. vernac. "Bowittcya," "Heen-bowittcya.")

† *Floribus tetrameris*.

1. **O. Leschenaultiana**, DC. Prod. iii. 142; Wight, Icon. t. 996; Spic. Nilgh. i. t. 68; non Naudin, Ann. des Sci. Nat. ser. 3. vol. xiv. p. 65 (quoad descript.).—*O. truncata*, Don; W. et A. Prod. i. 322; Arnott in Comp. to Bot. Mag. ii. 308; Walp. Rep. ii. pp. 135, 136. *O. parvifolia*, Arn. l. c.; Walp. l. c.—*O. erythrocephala*, Naud. l. c. p. 58.—c.p. 1576 (p. c.p. 284).

HAB. Abundant in the Central Province, up to an elevation of 7000 feet.

A most variable species as regards the amount of pubescence and the size of the leaves, and I am unable to divide it into even distinct varieties, so completely do the several forms merge one into the other when a large series is examined. A specimen in the Herbarium, numbered c.p. 284, is, I suspect, a hybrid between the present species and *O. aspera*, some of its flowers having eight and others ten stamens, with anthers much longer than those of *O. Leschenaultiana*. In habit and pubescence it resembles the last-named species, but in the shape of the leaves and in other respects it is just intermediate between the two.

2. **O. Zeylanica**, Linn. f. (W. et A., l. c. cum syn.; non Naudin, l. c. p. 71).—*O. serialis*, Naud. l. c. p. 67.—c.p. 1575.

HAB. Amongst grass, in sandy soil: in the hot, drier parts of the island.

3. **O. Rheedii**, Gardn. MSS.; *foliis rigidis, 3-nerviis, sparse adpresse setulosis, ovato-lanceolatis, basi plus minus angustatis, subtus pallidioribus; floribus ternis, subsessilibus; calycis strigosi dentibus triangularibus, tubo subæquilongis; antheris oblongis, obtusis, 1-porosis; connectivo infra loculos conspicue producto*.—c.p. 129 (441).

HAB. Adam's Peak, near the summit.

Frutex parvus. Ramuli tetragoni, scabri. Folia ¾-1½ poll. longa, 4-7 lin. lata, subtus ad nervos scabra, petiolo scabro 1½-2 lin. longo. Petala rotundata, acuminata, pallide purpurea, circiter 4 lin. longa. Ovarium 4-loculare, loculis circiter 8-ovulatis.

†† *Floribus pentameris.*

4. **O. Walkeri**, Arnott, l. c. p. 309; Walp. Rep. ii. 137.—c.p. 1571.
HAB. Central Province, at an elevation of 6000 to 8000 feet.

5. **O. buxifolia**, Arnott, l. c.; Walp. l. c. 136; Naud. l. c. p. 63.—c p. 1572.

Var. *β. minor*; *foliis floribusque minoribus*; *calyce dense sericeo-villoso, nec stellatim piloso*.—c.p. 2618 (forsan species distincta).

HAB. Central Province, at an elevation of 6000 to 8000 feet.

If some of the species of this genus did not individually vary so much in the size of the leaves and flowers, and in the clothing of the calyx, I should without hesitation have made a separate species of var. *β*, but it bears so great a resemblance to var. *α* in all other than the above respects, that I cannot venture to divide them.

6. **O. aspera**, Blume.—*Melastoma aspera*, Linn. (*partim*).

Var. *α*; *calyce setuloso, apicem versus parce squamuloso*.—*O. aspera*, Bl., W. et A., l. c. 323; Naudin, l. c. p. 74.—c.p. 1568

Var. *β*; *calyce setuloso, apicem versus appendiculis linearibus stellato-capitatis squamisque penicillatis parce ornato*.—*O. Kleinii*, W. et A., l. c.; Arnott, l. c. p. 309.—c.p. 1569.

Var. *γ*; *floribus majoribus*; *calyce sericeo-erinito*; ceteroquum ut in var. *β*.—c.p. 506 (600, 1573).

Var. *δ*; *foliis ellipticis, obtusiusculis, subcoriaceis*; *paniculis saepe abbreviatis*; *calyce copiosius appendiculato*; ceteroquum ut in var. *γ*.—*O. Kotigueda*, Naud. l. c. 64. — *O. Wightiana*, Benth.; Wight, Icones, t. 998; Arnott, l. c.—c.p. 1570.

HAB. Var *α* and *β*. Warmer parts of the island, up to no great elevation. Var. *γ* Central Province, from 2000 to 4000 feet. Var *δ* From 4000 to 5000 feet.

The several varieties enumerated above, so run one into another, that I do not feel justified in constituting distinct species of them. Of the plants referred to by Lamour as representing his *Melastoma aspera*, Hermann's would appear to be the only one corresponding with any form of the present species, for the others are mentioned as having succulent fruit, and the one described by Burman was probably a state of *Melastoma Malabathricum*.

7. **O. rubicunda**, Arn. l. c.; Walp. l. c.—*O. elliptica*, Naud. l. c. 62.—c.p. 52 (208).

Var. *β*. *ramis patentim pilosis, hispidis*; *calyce (cum appendiculis) hispidissimo*.—*O. rubicunda*, Naud. l. c.

HAB. Central Province, at an elevation of 5000 to 7000 feet.

Closely allied to the previous species, and much resembling its var. *δ*, and is principally distinguished by its more rigid pubescence, more coriaceous leaves, and fewer, larger, subsessile capitate flowers.

8. **O. Moonii**, Thw., pilosula, repens, ad nodos radicans; *foliis membranaceis, ovatis, acutis, longiuscule petiolatis*; *paniculis paucifloris, ramulos terminantibus*; *bracteis rotundatis, ciliatis*; *calyce hemispharico, appendiculis linearibus capitatis setosis, hispido*; *dentibus lanceolatis, tubo aequilongis, apice appendiculatis*; *antheris subulatis*; *connectivo ad basin parum producto*.—*Melastoma repens*, Moon's Cat. 35, non Lam.—c.p. 2800.

HAB. Colombo, Moon. Saffragam District, rather rare.

Folia 3-nervia, 1-2½ poll. longa, ½-1½ poll. lata, *petiolo* 2-4 lin longo *Bracteæ* 1 lin longæ *Flores* medioeres, purpureæ, *pedicellis* 1½ lin longis

9. **O. virgata**, Don, (W. et A., l. c. 323, Naud. l. c. 61).—*O. polyce-*

phala, Naud. l. c. 67. ? *O. cupularis*, Don ; W. et A., l. c. ; Naud. l. c. 61. ? *O. octandra*, DC. Prodr. iii. 142, cum syn.—c.p. 507, 2619.

HAB. Common up to an elevation of 3000 feet.

A very variable plant in the amount of pubescence upon the stems and leaves, and in the number of setose appendages to the calyx.

2. MELASTOMA, Linn.

1. **M. Malabathricum**, Linn. (W. et A. Prod. i. 324, cum syn.)—*M. ellipticum*. Naud. Ann. des Sci. Nat. ser. 3. vol. xiii. p. 291 ; Walp. Ann. ii. 567. *M. Royneii*, Blume ; Walp. Repert. ii. 133.—c.p. 1574.

Var. β ; *ramulis* scaberrimis ; *foliis floribusque* majoribus ; *calycis* dentibus lanceolatis, tubo longioribus.—c.p. 1574 (2692).

HAB. Var. α . Common in the hotter parts of the island. Var. β . Up to an elevation of 3000 feet. Nom. vulg. "Bowitteya," "Mahabowitteya," "Katakaloowa."

The flat scales which clothe the calyx of var. β are shorter and less shining than in var. α both sometimes occur with pale purple flowers. The fruit, when ripe, bursts irregularly, and exposes a dark-coloured pulp, covered with the small seeds : this pulp is eaten by children, and stains the inside of their mouths of a black colour.

3. MEDINILLA, Gaud.

? *Triplectrum*, Don, MSS., W. et A.

1. **M. maculata**, Gardner in Calc. Journ. of Bot. vol. viii. p. 13 ; *foliis* ovatis vel ovato-lanceolatis, subcordatis, crenatis, apice retusis ; brevissime petiolatis, 3-nerviis ; *pedunculis* axillaribus, 1-3-floris ; *floribus* parvis, 4-meris ; *antheris* basi postice calcaratis, antice bi-uncinatis.—c.p. 1578.

Var. β . *cuneata* ; *foliis* majoribus, rotundato-cuneatis, abrupte breviuminatis vel retusis.—c.p. 3443. (An species distincta ?)

HAB. Var. α . Central Province, at an elevation of 3000 to 5000 feet. Var. β . Hellesce, Pasdoon Corle.

Frutex epiphytus. *Ramuli* 4-goni, angulis undulatis. *Folia* subcarnosa, superne glabra, subtus pilis minutissimis glandulosis conspersa, $2\frac{1}{2}$ - $1\frac{1}{2}$ (var. β , $1\frac{1}{2}$ - $2\frac{1}{2}$) poll. longa, 4-12 lin. (var. β , $\frac{3}{4}$ -2 poll.) lata. *Pedunculi* folio multo breviores. *Calyx* urceolatus, minutissime 4-dentatus, carnosus. *Petalæ* pallide rosæ, subrotundata, reflexa, circiter $2\frac{1}{2}$ lin. longa. *Antheræ* subulatæ. *Baccæ* rubræ.

2. **M. fuchsoides**, Gardner, l. c. ; *foliis* 3-5-nerviis, rhomboideo-oblongis, basi truncatulis, superne glabris, subtus sparse minutissime glandulosis, brevissime petiolatis ; *pedunculis* in axillis foliorum delapsorum solitariis, 1-3-floris, folio multo brevioribus ; *floribus* pendulis, 4-meris, petalis rotundatis, conniventibus ; *antheris* subulatis, basi 3-tuberculatis.—c.p. 138.

HAB. Newera Ellia and other most elevated parts of the Central Province.

Frutex epiphytus, dichotome ramosus. *Ramuli* teretes, cinerei. *Folia* 2-3 poll. longa, $1\frac{1}{2}$ poll. lata, subtus pallidiora, costa rubra. *Inflorescentia* rubra. *Pedicellæ* apicem versus incrassati, basi bibracteolati. *Flores* pollicares. *Calyx* urceolatus, 4-dentatus. *Stylus* filiformis. *Stigma* minutum. *Baccæ* subglobose, atro-rubræ, circiter 4 lin. in diam.

4. **PACHYCENTRIA**, Blume.

1. **P. Walkeri**.—*Medinilla?* *Walkeri*, Wight, *Illustr.* i. 217.—*M. Walkerii*, Gardner in *Calc. Journ. of Nat. Hist.* vol. viii. p. 11; *foliis* 5-nerviis, oblongis vel ovato-oblongis, utrinque angustatis, obtusis; *junioribus* fugaci-ferrugineo-furfuraceis; *floribus* majusculis, speciosis, terminalibus, fasciculatis vel umbellatis, longe pedicellatis; *pedicellis* basi bracteatis.—C.P. 385.

HAB. Central Province, at an elevation of 3000 to 5000 feet.

Frutex epiphytus, scandens, copiose radicans. *Folia* $1\frac{1}{2}$ –3 poll. longa, $\frac{3}{4}$ – $1\frac{1}{2}$ poll. lata, subtus pallidiora, subintegra, in plantis junioribus ciliato-dentata. *Petiol.* 2–3 lin. longi. *Pedicelli* circiter $1\frac{1}{2}$ poll. longi, cum bracteis calycibusque sparse ferrugineo-furfuracei. *Bracteæ* oblongæ, obtusæ, 2–3 lin. longæ. *Calyx* ruber, margine expanso 4-lobo carnosus. *Petala* carnea, ovato-rotundata, circiter $1\frac{1}{2}$ poll. longa, interne sanguineo-rosea, externe pallidiora. *Stamina* æqualia, filamentis parce compressis; *antheris* sigmoideo-subulatis, compressis, postice acute calcaratis, 4 lin. longis. *Ovarium* calyce consolidatum, apice liberum, 4-loculare; *placentis* axilibus pluri-ovulatis. *Stylus* filiformis. *Stigma* minutum. *Capsula* unilocularis, apice 4-valvis, polysperma. *Semina* minuta, prismatica.

This is one of the most beautiful plants of the island, covering the trunks and branches of forest trees with a mantle of the most lovely rose-colour, when it is in flower.

5. **SONERILA**, Roxb.

† *Folius æqualibus, brevi- vel mediocri-petiolatis.*

1. **S. robusta**, Arn. *Comp. to Bot. Mag.* ii. 308; Walp. *Rep.* ii. 122; Naudin, *Ann. des Sc. Nat. ser. 3.* vol. xv. p. 327.—C.P. 426.

HAB. Adam's Peak, at an elevation of 6000 to 7000 feet.

2. **S. Gardneri**, Thw.; erecta, sublignosa, hirsuta; *foliis* 5–7-nerviis, rotundatis vel ovatis, acutis, subcordatis, serrulatis, brevi-petiolatis; *pedicellis* 1-bracteatis; *bracteis* foliaceis; *floribus* majusculis; *antheris* cordato-lanceolatis, subacutis.—C.P. 63 (186).

HAB. Below Horton Plains, towards Galagama, on wet rocks, at an elevation of about 5000 feet.

Caulis teres, subsimplex, rufo-niger, glanduloso-hirsutus, 1– $1\frac{1}{2}$ -pedalis. *Folia* $\frac{1}{2}$ – $1\frac{1}{2}$ poll. longa, 4–8 lin. lata, utrinque hirsuta, subtus pallidiora, *petiolo* 1–3 lin. longo, glanduloso-hirsuto. *Pedicelli* calyce breviores et cum eo glanduloso-hirsuti. *Petala* sanguineo-rubra. *Capsula* ovoidea, gibba, obscure 6-costata, muricato-hirsuta.

3. **S. Harveyi**, Thw.; erecta, sublignosa, superne ramosa, subglabra; *foliis* rotundatis vel ovatis, subacutis, 7-nerviis, setuloso-denticulatis, supra versus apicem prope marginem setulosis, cæteroque glabris, basi subcordatis, brevi-petiolatis; *racemis* parce foliaco-bracteatis; *antheris* breviusculis, cordato-acuminatis.—C.P. 2974.

HAB. Central Province, between Maturatte and Rambodde, at an elevation of 6000 feet, Oct. 1853.

1– $2\frac{1}{2}$ -pedalis. *Rami* 4-goni, rubro-nigri, glabri vel parvis glanduloso-pilosi, ad nodos setosi. *Folia* 3–10 lin. longa, subtus pallidiora; *petiolo* $\frac{1}{2}$ – $1\frac{1}{2}$ lin. longo. *Pedicelli* circiter 6, glabri. *Calyx* 6-costatus, glanduloso-pilosus, *dentibus* triangularibus, setosis. *Petala* purpurea, rotundato-acuminata.

4. **S. lanceolata**, Thw.; suberecta, parce ramosa, glaberrima; *foliis* 3-nerviis, lineari-lanceolatis, supra medium serrulatis, basi cordatis,

brevisissime petiolatis; *racemis* simplicibus vel ramosis; *antheris* subulatis; *capsulis* longiusculis et cum pedicellis incrassatis profunde 6-sulcatis.—C.P. 3007.

HAB. Carawitte Kanda, near Ratnapoora, at an elevation of 1000 feet.

Folia $1\frac{1}{2}$ –3 poll. longa, 3–8 lin. lata. *Petala* rubra, rotundata, apiculata.

5. ***S. rhombifolia***, Thw.; suberecta, ramosa, glaberrima; *foliis* 3-nerviis, ovato-vel lanceolato-rhomboides, utrinque acutis, incurvo-denticulatis, petiolatis; *calycis* 6-costati dentibus longiusculis, acutis; *antheris* subulatis.—C.P. 2799.

HAB. Hinidoon and Kokool Corles, at no great elevation.

1–2-pedalis. *Rami* obscure 4-goni. *Folia* $\frac{1}{2}$ – $1\frac{1}{2}$ poll. longa, 2–7 lin. lata, subtus infuscescentia, petiolo 1–3 lin. longo. *Petala* rubra.

I have named this "*S. glaberrima*, Arn." in some distributed collections, but it can scarcely be that species.

†† *Folius plus minus inaequalibus basiue obliquis, longiuscule petiolatis*

6. ***S. Arnottiana***, Thw.; suberecta, ramosa, subhirsuta; *foliis* 3–5-nerviis, lanceolatis vel ovato-lanceolatis, ciliato-denticulatis, parum obliquis inaequalibusque, superne glabris, subtus parce hirsutis, petiolo, cum nervis subtus, plus minus glanduloso-piloso, *racemis* simplicibus vel saepius bifurcis, glanduloso-pilosis; *antheris* cordato-oblongis, brevicauminatis.—C.P. 2615.

HAB. Central Province, at an elevation of 4000 to 7000 feet.

1–2-pedalis. *Rami* plus minus glanduloso-pilosi. *Folia* $\frac{1}{2}$ –3 poll. longa, 4–10 lin. lata, subtus pallidiora, utrinque acuta vel basi parce rotundata. *Petala* ovato-acuminata, purpurea, $3\frac{1}{2}$ lin. longa. *Capsulae* hypocrateriformes, 6-costatae, muricatosetosae, pedicello subaequilongae.

7. ***S. Hookeriana***, Arn. l. c. p. 308, Walp. l. c.; Naud. l. c. p. 321.—C.P. 173.

HAB. Adam's Peak, on the Saffragam side, at an elevation of 5000 to 6000 feet.

Racemi simplices vel bifurci. *Petala* purpurea. *Antherae* aurantiae.

8. ***S. hirsutula***, Arn. l. c. p. 307, Walp. l. c.—*S. Wightiana*, Arn. l. c.—C.P. 276.

HAB. Central Province, at an elevation of 6000 to 7000 feet.

Petala pallide purpurea.

9. ***S. pilosula***, Thw., suberecta, ramosa; *foliis* majusculis, penniveniis, ovato-lanceolatis, acuminatis, serrulatis, utrinque brevi-pilosulis, basi saepissime valde obliquis, inaequalibus; *racemis* pilosulis; *antheris* longiusculis, cordato-rostratis, *capsulis* pilosis, hypocrateriformibus, 6-nerviis; *pedicellis* subaequilongis.—C.P. 2687.

HAB. Saffragam District, at an elevation of 1000 to 2000 feet.

$\frac{1}{2}$ – $1\frac{1}{2}$ -pedalis. *Rami* suberecti, pilosuli. *Folia* $\frac{3}{4}$ –4 poll. longa, $\frac{1}{2}$ – $1\frac{1}{2}$ poll. lata, subtus saepe purpurascens. *Petala* rubra.

This species bears considerable resemblance to *S. versicolor*, Wight, Icones, t. 1057, but in that species the leaves are represented as scarcely oblique, the racemes glabrous, and the pedicels relatively shorter.

10. ***S. rostrata***, Thw.; herbacea, erecta, ramosa; *foliis* 3–5-nerviis, ovato-lanceolatis, dentatis vel crenato-denticulatis, glabris vel sparsè pilosis; *antheris* longis, rostrato-subulatis. *capsulis* brevibus, hypo-

crateriformibus, 6-nerviis, *pedicello* subæquilongis.—*S. glaberrima*, Arn. l.c.—c.p. 2641.

HAB. Hinidoon and Reigam Corles, and Ambagamowa District, at an elevation of 1000 to 2000 feet.

$\frac{1}{2}$ -1-petalis *Rami* glabri, acute 4-goni. *Folia* 4-12 lin. longa, subtus rufescentia. *Petala* rubra, rotundato-acuminata, 4 lin. longa.

11. *S. affinis*, Arn. l.c.; Walp. l.c. 122.—c.p. 353.

HAB. Central Province, at an elevation of 4000 feet.

Folia 3-5-nervia, 2-10 lin. longa. *Petala* pallide rosea, rotundato-acuminata, 3 lin. longa. *Antheræ* cordato-subulatae. *Capsulae* *pedicellis* breviores, costulis parum prominentibus.

Closely allied to *S. rostrata* and *S. Ceylanica*, but distinguished from the former by its more sharply denticulated leaves, smaller, paler flowers, and less acuminate anthers; and from the latter by its subulate anthers and differently-shaped, less prominently costate capsules.

12. *S. Ceylanica*, W. et A. (Arn. l.c.; Walp. l.c.; Naud. l.c. 321.)—c.p. 349, 3345 (1577).

HAB. Central Province, at an elevation of 3000 to 5000 feet.

Petala purpurea vel albidia. *Antheræ* cordatae, subacuminate. *Capsulae* longe hyperateriformes, prominente 6-costatae.

13. *S. tomentella*, Thw., erecta, ramosa; *caule*, *ramis*, *petiolis* *racemis*que brevi-tomentosis; *foliis* ovato-lanceolatis, ciliato-denticulatis, utrinque sparse pilosis, costa venisque subtus tomentosis; *antheris* brevibus, oblongis, subapiculatis; *capsulis* hyperateriformibus, setosis, *pedicellis* æquilongis—c.p. 2616.

HAB. Ambagamowa District, at an elevation of 3000 to 4000 feet.

$\frac{1}{2}$ -1 $\frac{1}{2}$ -petalis. *Folia* 3-12 lin. longa, basi rotundata, subpennivenia. *Petala* alba vel pallide rosea, rotundata, acuta, 3 $\frac{1}{2}$ lin. longa.

Very similar, in general appearance, to *S. Ceylanica*, but easily distinguishable by its tomentose stems and differently shaped anthers and capsules.

14. *S. pumila*, Thw.; erecta, sæpe ramosissima, multiflora, *foliis* 3-5-nerviis, rotundatis, ovatis vel ovato-lanceolatis, ciliato-denticulatis, superne sparse setosis et sapissime albo-maculatis, subtus glabris; *racemis* paucifloris, sessilibus, glabris; *floribus* parvis; *antheris* brevibus, oblongis, obtusis, majusculè 2-porosis, *capsulis* longiusculis, hyperateriformibus, 6-costatis—c.p. 2617.

HAB. Newera Ellia and other more elevated parts of the Central Province.

1-10-petalis. *Rami* 4-goni, glabri. *Folia* 2-14 lin. longa; *petiolo* glabro. *Petala* alba. *Antherarum* loculi ab apice fere ad medium fissi.

The smaller, obtuse, large-pored anthers and less prominently costate capsules distinguish this from *S. Ceylanica* and other closely allied species.

15. *S. pedunculosa*, Thw., herbacea, repens, radicans; *foliis* rotundatis vel ovatis, obtusis, crenatis, superne sparse villosis, subtus subglabris; *pedunculis* elongatis, paucifloris, sparse glanduloso-pilosis; *floribus* parvis; *antheris* cordato-acutis; *capsulis* turbinatis, 6-costatis—c.p. 3091.

HAB. Hinidoon Corle, at an elevation of 1000 feet.

Folia viridi-rufescentia, $\frac{1}{2}$ -1 $\frac{1}{4}$ poll. longa. *Petala* sanguinea, ovato-acuminata, 2 $\frac{1}{2}$ lin. longa.

This is a very distinct species, but my materials are not sufficient to enable me to give so complete a description of it as could be wished.

MARUMIA ZEYLANICA, *Blume*, has, I fear, no claim to be considered a native of Ceylon.

Sect. *Memecyleæ*.

6. **MEMECYLON**, Linn.

1. *Foliis 1-nerviis vel basi sub-3-nerviis.*

† *Disco calycino radiatum alato.*

1. **M. capitellatum**, Linn. (*Blume*, Mus. Bot. Lugd.-Bat. i. p. 354, cum syn., sed "Burm. Thes. Zeyl. p. 76. t. 30," vix excludend.)—c.p. 1564 (1565).

HAB. Not uncommon, up to an elevation of 1000 feet. Nom. vulg. "Welli-kaha."

2. **M. edule**, Roxb. Cor. Pl. i. t. 82.—? *M. Royncii*, *Blume*, l. c. 360.—c.p. 1566.

Var. β ; *foliis* majoribus, oblique acuminatis; *paniculis* elongatulis.—c.p. 3442.

Var. γ ; *foliis* elliptico-lanceolatis, basi subrotundatis; *paniculis* petiolo longiusculo subæquilongis.—? *M. Heyneanum*, Benth. Wight, Icon. t. 278.—c.p. 1563.

Ramuli teretes. *Folia* 2–6½ poll. longa, 1–3½ poll. lata, petiolo 2–4 lin. longo. *Pedicellis* calyce subæquilongi.

3. **M. sylvaticum**, Thw.; *ramulis* teretibus; *foliis* ovatis vel ellipticis, subabrupte acuminatis, basi in petiolum brevissimum vel subnullum angustatis, coriaceis, obscure penniveniis; *paniculis* brevibus, plus minus ramosis; *pedicellis* brevissimis, crassiusculis.—c.p. 1558, 1567, 3302 (2929).

HAB. Common in forests, at an elevation of 2000 to 4000 feet.

Arbor parva. *Folia* 1½–5½ poll. longa, ¾–2½ poll. lata. *Flores* cæruleo-purpurascens. *Baccæ* sphericæ, atro-purpureæ, 4–5 lin. in diam.

Nearly allied to *M. edule*, from which it differs in its more abruptly acuminate leaves, shorter petioles and flowerstalks, and somewhat larger flowers.

4. **M. leucanthum**, Thw.; *ramulis* obscure 4-gonis; *foliis* subnitidis, rotundatis, ovatis vel ellipticis, abrupte breviter acuminatis, obtusis, basi acutis, brevi-petiolatis, venis primariis prominentibus; *paniculis* parum elongatis; *pedicellis* calyce dimidio longioribus.—c.p. 1559.

HAB. Central Province, at an elevation of 3000 to 5000 feet.

Arbor parva. *Folia* 1½–2½ poll. longa, ¾–1½ poll. lata, petiolo 1 lin. longo. *Flores* albi, petalis reflexis. *Baccæ* sphericæ.

5. **M. rhinophyllum**, Thw.; *ramulis* obscure 4-gonis; *foliis* opacis, eveniis, ovatis vel ellipticis, valde acuminatis, basi acutis, subsessilibus; *paniculis* corymbosis vel umbellato-corymbosis, compactis, multifloris; *pedicellis* tenuibus, calyce subduplo longioribus; *floribus* parvis.—c.p. 2928.

HAB. Central Province, up to an elevation of 3000 feet.

Arbor parva. *Folia* (acumine ½-poll.) 2–3 poll. longa, ¾–1½ poll. lata. *Flores* pallide cyanæ. *Baccæ* sphericæ, atro-purpureæ, 3 lin. in diam.

6. **M. macrocarpum**, Thw.; *ramulis* teretibus; *foliis* majusculis, valde coriaceis, rotundis, obtusis, basi plus minus angustatis, petiolatis; *pedunculis* brevibus; *pedicellis* calyce subæquilongis; *baccis* majusculis, sphericis.—c.p. 2798.

HAB. Ambagamowa, at an elevation of about 3000 feet.

Arbor parva. Folia 3-4 poll. longa, $2\frac{1}{2}$ - $3\frac{1}{2}$ poll. lata, *petiolo* 2 lin. longo. *Baccæ* (immaturæ) 8 lin. in diam.

†† *Disco calycino lævi vel obscure radiatim costulato.*

* *Ramulis teretibus.*

7. **M. revolutum**, Thw.; *foliis* coriaceis, oblongo-rotundatis, obtusis, subcordatis, marginibus revolutis, brevi-petiolatis, venis primariis utrinque parum prominentibus; *pedunculis* multifloris, plus minus elongatulis ramosisque; *pedicellis* calyce dimidio longioribus; *floribus* parvis.—C.P. 2975.

HAB. Rambodde, at an elevation of 5000 feet.

Arbor parva. Folia 2-3 poll. longa, fere æquilata, *petiolo* 1 lin. longo. *Petala* alba. *Baccæ* nigro-purpureæ, 4-5 lin. in diam.

8. **M. umbellatum**, Burm. Fl. Ind. p. 87.—*M. ramiflorum*, Lam. DC. Prod. iii. p. 6; Wight, Illust. i. 215. t. 93. *M. umbellatum* et *M. ramiflorum*, Blume, l. c. pp. 863, 864, (*quoad descript.*)—C.P. 387, 764, 1561, 1562.

HAB. Very abundant, up to an elevation of 2000 feet. Nom. vulg. "Cora-caha."

The leaves of this species, mixed with the wood of *Morinda citrifolia* and *Cesalpinia Sappan*, are employed by the Cinghalese for producing a permanent red dye.

9. **M. angustifolium**, Wight, Icones, t. 276.—C.P. 1556, 3346.

HAB. Common on the banks of rivers, up to an elevation of 2000 feet.

Frutex 6-8-pedalis. *Folia* evenia, superne nitidula, ad costam canaliculata, subtus opaca, pallidiora. *Pedunculi* ramosi, simplices vel subnulli. *Petala* cyanea. *Baccæ* parvi magnitudine, nigro-purpureæ.

10. **M. rostratum**, Thw.; *foliis* ellipticis, abrupte rostrato-acuminatis, obtusiusculis, basi acutis, inconspicue venosis, petiolatis; *pedunculis* multifloris, brevibus vel subnullis; *pedicellis* calyce 2-3-plo longioribus; *floribus* parvis.—C.P. 1560.

HAB. Central Province, at an elevation of 3000 to 4000 feet.

Arbor parva. Folia (acumine $\frac{1}{2}$ -poll.) $1\frac{1}{2}$ - $2\frac{1}{2}$ poll. longa, $\frac{3}{4}$ - $1\frac{1}{4}$ poll. lata, *petiolo* $1\frac{1}{2}$ lin. longo. *Petala* alba. *Antheræ* cyaneæ. *Baccæ* sphericæ.

11. **M. fuscescens**, Thw.; *foliis* membranaceis, nitidulis, obscure venosis, ovatis vel ellipticis, basi plus minus angustatis, brevissime petiolatis; *paniculis* brevibus, parce ramosis, paucifloris; *pedicellis* subnullis.—C.P. 287.

HAB. Kokool Corle, at no great elevation.

Folia (acumine 4-6-lin.) $1\frac{1}{2}$ -3 poll. longa, 6-11 lin. lata. *Baccæ* sphericæ, 4 lin. in diam.

12. **M. macrophyllum**, Thw.; *foliis* magnis, coriaceis, cordato- vel subcordato-lanceolatis, brevissime petiolatis; *pedunculis* brevissimis vel subnullis; *pedicellis* brevibus.—C.P. 2685.

HAB. Ambagamowa District and Pasdoon Corle, at an elevation of 1000 to 3000 feet.

Folia 6-12 poll. longa, 2- $3\frac{1}{2}$ poll. lata. *Petala* pallide cyanea. *Baccæ* sphericæ, 4 lin. in diam.

Closely allied to, and possibly a state of, the next species, from which it is principally distinguished by its larger leaves cordate at the base, and shorter petioles.

13. *M. jambosoides*, Wight, *Illustr.* i. p. 215; *Icones*, t. 277.—C.P. 1555, 2468, 3347.

HAB. Damp, shady places, up to an elevation of 3000 feet.

Petala pallide cyanea. *Baccæ* sphaericæ, 4 lin. in diam.

14. *M. cuneatum*, Thw.; *foliis* coriaceis, opacis, evenis, rotundatis vel oblongis, obtusis, basi cuneatis, brevi-petiolatis; *pedunculis* nullis; *floribus* confertis, brevissime pedicellatis; *calycis* margine subintegro, alabastris acutis.—C.P. 2538.

HAB. Central Province, at an elevation of 3000 feet.

Arbor parva. *Folia* 1-2½ poll. longa, ½-1½ poll. lata, *petiolo* 1 lin. longo. *Petala* pallide cyanea. *Baccæ* sphaericæ.

15. *M. orbiculare*, Thw.; *foliis* coriaceis, subnitidis, orbicularibus, obscure obtusis, acumine acumatis vel retusis, brevissime petiolatis, venis primariis vix conspicuis; *pedunculis* brevibus vel subnullis; *pedicellis* calyce subæquilongis.—C.P. 3441.

HAB. Hmudoon Corle, at an elevation of 1000 feet.

Arbor parva. *Folia* 1½-2 poll. longa. *Petala* cyanea.

16. *M. ovoideum*, Thw.; *foliis* majusculis, valde coriaceis, opacis, obovato-rotundatis, retusis, subsessilibus; *pedunculis* subnullis, *pedicellis* fasciculatis, confertis, calyce subæquilongis; *baccis* ovoideis.—C.P. 2621.

HAB. Ambaganiowa District, near Adam's Peak, at an elevation of 4000 to 5000 feet.

Arbor parva. *Folia* 2-4 poll. longa, 1½-3 poll. lata. *Baccæ* 6 lin. longæ, 4 lin. latæ, nigro-purpureæ.

* *Ramulus tetragonus*

17. *M. ellipticum*, Thw.; *foliis* nitidulis, ellipticis, abrupte rostrato-acuminatis, obtusis, basi rotundatis vel parce angustatis, inconspicue venosis, brevissime petiolatis, *pedunculis* brevissimis vel subnullis; *pedicellis* confertis, calyce subæquilongis.—C.P. 3479.

HAB. Singhe Rajah Forest, between Galle and Ratnapoora, at no great elevation.

Arbor parva. *Folia* (acumine ½-poll.) 2-3 poll. longa, 1¼-1½ poll. lata; *petiolo* ½ lin. longo. *Petala* alba.

18. *M. elegantulum*, Thw.; *foliis* lanceolatis, longe acuminatis, obtusiusculis, basi plus minus angustatis, brevissime petiolatis, obscure venosis; *paniculis* filiformibus, subelongatis, parce ramosis, paucifloris; *pedicellis* subsolitaris, calyce dimidio longioribus.—C.P. 2684.

HAB. Sullugam District, at no great elevation.

Folia (acumine ½-¾-poll.) 2-3 poll. longa, 6-8 lin. lata. *Flores* albi. *Baccæ* sphaericæ, pisi magnitudinis.

19. *M. varians*, Thw.; *foliis* opacis, brevi-petiolatis, obscure venosis; *pedunculis* brevibus vel parum elongatis; *floribus* capitellatis; brevissime pedicellatis.

Var. *α. acuminatum*; *foliis* ovatis vel ellipticis, acuminatis, basi acutis.—C.P. 2927.

Var. *β. rotundatum*; *foliis* rotundatis vel oblongis, utrinque obtusis.—C.P. 2959 (170)

HAB. Central Province. Var. *a*. At an elevation of 2000 to 4000 feet. Var. *β*. At 4000 to 5000 feet.

Arbor parva. Folia 1-3 poll longa, $\frac{1}{2}$ -1 $\frac{1}{2}$ poll. lata, *petiolo* 1-1 $\frac{1}{2}$ lin. longo. *Petala* cyanea vel raro albida. *Baccæ* sphaericæ, 3-4 lin. in diam.

20. **M. parvifolium**, Thw.; *foliis* coriaceis, opacis, eveniis, rotundatis vel oblongis, obtusis retusivæ, basi cuneatis, brevi-petiolatis; *pedunculis* brevissimis vel subnullis; *floribus* capitellatis, subsessilibus.—C.P. 2955.

HAB. Central Province, at an elevation of 7000 feet.

Arbor parva. Folia $\frac{1}{2}$ -1 poll. longa, 3-8 lin. lata, *petiolo* $\frac{1}{2}$ -1 lin. longo. *Petala* albida. *Baccæ* sphaericæ.

Nearly allied to, and possibly a variety of, the preceding, from var. *β* of which it differs principally in its leaves being cuneate at the base and a good deal smaller.

*** *Ramulis 4-alatis.*

21. **M. Hookeri**, Thw.; *foliis* majusculis, cordato-lanceolatis, acuminatis, sessilibus, subtus costa et venis primariis intramarginalique valde prominentibus; *pedunculis* brevibus vel subnullis; *pedicellis* longiusculis.—C.P. 2686.

HAB. Ambagamowa District, in shady forests, on the banks of streams, at an elevation of 1000 feet.

Frutex erectus, parce ramosus, 8-12-pedalis. *Folia* 6-12 poll. longa, 1 $\frac{1}{2}$ -3 poll. lata. *Petala* cyanea. *Baccæ* sphaericæ, 4 lin. in diam., rufescentes, denique nigro-purpureæ.

22. **M. Wightii**, Thw.—? *M. amplexicaule*, Wight, Icon. t. 279 (vix Roxb. Fl. Ind. ii. 260.)—C.P. 2570.

HAB. Central Province, at an elevation of 3000 to 4000 feet.

Arbor parva. Folia subnitida, cordato-lanceolata, plus minus acuminata, obscure venosa, 2-5 poll longa, $\frac{3}{4}$ -1 $\frac{1}{2}$ poll. lata, *petiolo* 1 lin. longo. *Pedunculi* brevissimi vel subnulli. *Pedicelli* conferti, longiusculi. *Petala* cyanea. *Baccæ* sphaericæ, 3-4 lin. in diam.

The shape of the leaves and smaller size of the fruit seem to preclude the possibility of the present being Roxburgh's plant; and the winged ramuli and petioled leaves of our plant do not agree with Dr. Wight's description of his species, though his figure quoted above bears a very considerable resemblance to it.

2. *Folis trinerviis.*

23. **M. Arnottianum**, Wight, MSS.—*Eugenia? capitellata*, Arn. Pug. 17 (335); Walp. Rep. ii. 182.—C.P. 1589 (1868).

HAB. Hinidoon and Pasdoon Corles, and Saffragam District, at no great elevation.

Frutex vel *arbor parva*, 10-12-pedalis. *Ramuli* teretes. *Folia* 1-4 poll. longa, $\frac{1}{2}$ -2 poll. lata, juniora rufescentia. *Capitella* 3-5-flora, longe pedunculata. *Petala* albida. *Baccæ* sphaericæ, pisi magnitudine, nigro-purpureæ.

24. **M. Gardneri**, Thw.; *ramulis junioribus* anguste 4-alatis; *foliis* opacis, pellucido-punctulatis, rotundatis, ellipticis vel rhomboidéo-oblongis, abrupte brevique acuminatis, obtusis retusivæ, basi in *petiolum* brevem angustatis; *capitellis* 3-plurifloris, brevi-pedunculatis vel sessilibus.—C.P. 2387.

HAB. Central Province, at an elevation of 2000 to 5000 feet.

Arbor parva. Folia 1-3 poll. longa, $\frac{1}{2}$ -1 $\frac{1}{2}$ poll. lata, *petiolo* 1 lin. longo. *Flores* albi. *Baccæ* sphaericæ, pisi magnitudine, nigro-purpureæ.

LXIV. MYRTACEÆ.

1. MYRTUS, Tournef.

Sect. *Rhodomirtus*, DC.

1. **M. tomentosa**, Ait. (W. et A. Prod. i. 328, cum syn.; Wight, Icones, t. 522; Illust. ii. 18. t. 97* or 122. f. 3.)—c.p. 1591.

HAB. Common in the Central Province, at an elevation of 6000 to 8000 feet.

2. EUGENIA, Linn.

1. **E. Willdenovii**, DC. Pr. iii. 265, cum syn.; Wight, Icones, t. 545.—c.p. 1586.

HAB. Common in the hotter parts of the island. Nom. vulg. "Tambaleya-gass."

2. **E. bracteata**, Roxb. (W. et A. Prod. i. 331, cum syn.)—c.p. 1590.

HAB. Jaffna, *Gardner*.

This is, as remarked by Dr Wight, very closely allied to the preceding species, from which it differs principally in its smaller flowers and wider leaves, with shorter petioles. They may possibly prove to be forms only of one species.

3. **E. terpnophylla**, Thw.; *foliis* lanceolatis vel oblongo-lanceolatis, longe acuminatis, basi plus minus angustatis; *junioribus* cum *ramulis inflorescentiaque* ferrugineo-pilosis.—c.p. 2623.

Var. β ; *foliis* subtus plus minus breviter rufo-pilosis.

HAB. Ambagamowa and Ratnapoora Districts, and Reigam Corle, up to no great elevation.

Arbor mediocris. *Ramuli* teretes. *Folia* $2\frac{1}{2}$ –5 poll. longa, $\frac{1}{2}$ –2 poll. lata, *petiolo* $\frac{1}{4}$ – $\frac{1}{2}$ poll. longo. *Pedunculi* axillares terminalesque, breves, pauciflori. *Pedicelli* petiolo subæquilongi. *Petala* alba, *lobis calycinis* rotundatis duplo longiora. *Baccæ* sphericæ, puberulæ, cerasi parvi magnitudinis.

4. **E. amena**, Thw.; *foliis* sessilibus, cordato-vel ovato-lanceolatis, acuminatis, glabris, subtus reticulatis; *floribus* sæpissime terminalibus, subfasciculatis; *pedicellis* folio multo brevioribus.—c.p. 3439.

HAB. Kokool Corle and Dolosbage District, up to an elevation of 1500 feet.

Arbor parva. *Ramuli* teretes. *Folia* 2–6 poll. longa, $1\frac{1}{4}$ – $2\frac{1}{4}$ poll. lata. *Pedicelli* 7–10 lin. longi, raro breviores. *Petala* 4, alba, oblonga, circiter 3 lin. longa, *lobis calycinis* rotundatis longiora.

5. **E. Mooniana**, Wight, Illust. ii. 13; Icones, t. 551.—c.p. 11, 365 (77, 733, 1581, 2451).

Var. β ; *foliis* subsessilibus, rotundatis, acuminatis; *floribus* sessilibus.—c.p. 2803. (An species distincta?)

HAB. Abundant in the Central Province, up to an elevation of 4000 feet.

A most variable species in the shape of the leaves and the length of the petioles and flower-stalks. Var. β may possibly prove to be a distinct species, but I am disposed at present to consider it only a variety.

6. **E. mabæoides**, Wight, Illust. ii. 13.—c.p. 445, 1588 (2693).

HAB. Central Province, at an elevation of 4000 to 7000 feet.

Folia $\frac{1}{2}$ –2 poll. longa, $\frac{1}{4}$ – $1\frac{1}{4}$ poll. lata, dense glanduloso-punctata. *Bacca* sphaerica, cerasi parvi magnitudine.

7. **E. floccifera**, Thw.; *foliis* oblongo-lanceolatis, acuminatis; *junioribus* cum *ramulis inflorescentiaque* dense fulvo-tomentosis; *pedicellis* axillaribus, brevibus, fasciculatis; *calycis* lobis 4, lanceolatis, tubo multum longioribus.—C.P. 463.

HAB. Reigam Corle, at no great elevation.

Arbor parva. *Ramuli* teretes. *Folia* 4–8 poll. longa, 1–2 poll. lata, *petiolo* 3–4 lin. longo. *Petala* alba, 4 lin. longa, lobis calycinis aequilonga.

8. **E. fulva**, Thw.; *foliis* ellipticis vel oblongis, abrupte brevi-acuminatis, basi rotundatis, superne lævibus, subtus venosis; *junioribus* cum *ramulis inflorescentiaque* fulvo-tomentosis; *floribus* axillaribus caulinisque parvis, sessilibus, confertis.—C.P. 3008.

HAB. Pasdoon Corle, at no great elevation.

Arbor parva, *ramuli* teretibus. *Folia* 4–6 poll. longa, $2\frac{1}{4}$ –3 poll. lata, *petiolo* $\frac{1}{4}$ lin. longo

9. **E. rivulorum**, Thw.; *foliis* majusculis, lanceolatis, acuminatis, basi angustatis, subtus minutissime fulvo-pilosis, denique glabris; *floribus* majusculis, sessilibus, axillaribus caulisque; *calycis* externe pilosi lobis 4, rotundatis, tubo aequilongis.—C.P. 3140.

HAB. Banks of streams, in the Singhe-rajah forest, between Galle and Ratnapoora, at no great elevation.

Arbor parva. *Ramuli* teretes. *Folia* 10–14 poll. longa, $3\frac{1}{2}$ poll. lata, *petiolo* circiter $\frac{1}{2}$ poll. longo. *Petala* oblonga, pallide purpurea, 5 lin. longa

10. **E. decora**, Thw.; *foliis* oblongis, acuminatis, basi rotundatis, glabris, superne nitidis, subtus pallidioribus, minute reticulatis; *floribus* sessilibus, confertis, axillaribus caulisque; *baccis* transverse oblongis, dispersis.—C.P. 3545.

HAB. Near Galle, at no great elevation.

Arbor parva, *ramuli* teretibus. *Folia* 4–5 poll. longa, circiter 2 poll. lata, *petiolo* 4 lin. longo. *Flores* albi. *Baccæ* rubro-inescentes, 6 lin. in alt., 8 lin. in lat. max.

When one seed only is produced, the berry would be no doubt spherical, and perhaps this will prove to be the most usual form.

3. JAMBOSA, Rumph.

1. **J. aquea**, DC. (W. et A. Prod. i. 332, cum syn.; Wight, *Icones*, t. 216)—*Eugenia* (*J.*) *aquea*, Wight, *Illustr.* ii. p. 14. *Eug. sylvestris*, Moon's Cat. p. 38.—C.P. 418 (609).

HAB. Abundant in the Central Province, up to an elevation of 5000 feet. Nom. vulg. "Wal-jambo-gass."

This species varies a good deal in the length of the calyx-tube and in the colour of the flowers, which latter are either of a pale-purple or more commonly of a deep-crimson colour.

2. **J. cylindrica**.—*Eug.* (*J.*) *cylindrica*, Wight, *Icones*, t. 527, et forsan *E.* (*J.*) *pauciflora*, Wight, *Id.* t. 526.—C.P. 601.

HAB. Ambagamowa District, up to an elevation of 3000 feet.

Arbor medioeris. *Petala* alba, purpurascentia. *Baccæ* subsphaericae, urceolatae, 6–8 lin. in diam.

4. **STRONGYLOCALYX**, Blume.

Mus. Bot. Lugd.-Bat. i. p. 89.

1. **S. hemisphæricus**, Bl. l. c. 90.—*Eug. (J.) hemisphærica*, Wight, Illust. ii. p. 14. t. 97* or 122. fig. 8; Icones, t. 525.—c.p. 2450, 2540, 3438.

HAB. Central Province and Kokool Corle, up to an elevation of 4000 feet.

Arbor mediocris. *Folia* 2-6 poll. longa, $\frac{1}{2}$ -2 poll. lata. *Petala* alba. *Baccæ* sphericæ, circiter 1 poll. in diam.

5. **SYZYGIUM**, Gærtn.† *Cymis ad foliorum delapsorum axillas.*

1. **S. caryophyllifolium**, DC.—*Eug. (S.) caryophyllifolia* [*E. (S.) Jambolana?* var. *microcarpa*], Wight, Icones, t. 553. *Eug. caryophyllifolia*, Lam.; Roxb. Fl. Ind. ii. p. 486. *Calyptranthes Cumini*, Moon's Cat. p. 39.—c.p. 1584.

HAB. Common up to an elevation of 3000 feet. Nom. vulg. "Mā-dang-gass."

The fruit, which is of about the size of a pea, is eaten by the Cinghalese.

2. **S. polyanthum**.—*Eug. (S.) polyantha*, Wight, Illust. ii. p. 17; Icones, t. 543. An *Syz. balsameum*, Wall. Wight, Ill. ii. p. 16? *Calyp. caryophyllifolia*, Moon's Cat. p. 39.—c.p. 2801.

HAB. Common up to an elevation of 3000 feet. Nom. vulg. "Battadomba-gass."

Arbor magna. *Baccæ* sphericæ, nigrescentes, cerasi parvi magnitudine.

The leaves of this species are larger than those of the preceding species, with far fewer and more distant primary veins, and shorter petioles; the flowers also are larger. The fruit is not eaten.

†† *Cymis terminalibus axillaribusque.** *Ramulis junioribus teretibus.*

3. **S. cordifolium**.—*Eug. (S.) cordifolia*, Wight, Illust. ii. p. 16; Icon. t. 544.—c.p. 350, 2622.

HAB. Near Cattura, Moon; Ambagamowa and Ratnapoora Districts, up to an elevation of 3000 feet.

Baccæ subsphericæ, pollicares.

4. **S. montanum**.—*Eug. (S.) montana*, Wight, Icon. t. 1060?—c.p. 2694.

HAB. Ambagamowa District, at an elevation of 4000 feet.

My specimens bear considerable resemblance to Dr. Wight's figure, but they are in too imperfect a state to enable me to feel certain they are identical with his species.

5. **S. sylvestre**.—*Eug. (S.) sylvestris*, Wight, Icon. t. 532. *Calyptranthes Jambolana*, Moon's Cat. p. 39.—c.p. 2862.

HAB. Common up to an elevation of 3000 feet. Nom. vulg. "Aloo-bo-gass."

Arbor magna. *Baccæ* sphericæ, nigro-purpureæ, circiter $\frac{1}{2}$ poll. in diam.

6. **S. assimile**, Thw.; *foliis ovato-lanceolatis vel obovatis*, plus minus

abrupte acuminatis, basi angustatis vel rarius rotundatis, petiolatis; cymis ad apices ramulorum confertis, folio dimidio brevioribus; baccis sphaericis.—An *Eug. (S.) Arnottiana*, Wight, Icon. t. 999, *varietas*?—c.p. 46, 634, 2449 (291, 1582, 2495).

HAB. Central Province, up to an elevation of 5000 feet, in open places.

Arbor mediocris. *Folia* 2-5 poll longa, 1½-2 poll lata, *petiolo* 2-5 lin. longo. *Baccæ* atro-purpureæ, circiter ½ poll. in diam.

This closely resembles in general appearance Dr. Wight's figure of *Eug. (S.) Arnottiana*, quoted above, but the petals in our plant seem generally to fall off without expanding, and the fruit is spherical instead of being oblong.

7. **S. Neesianum**, Arn. Pug. (335) 17.—*Eug. (S.) Neesiana*, Wight, Icon. t. 533; Illust. ii. p. 15. *Calyptanthus cordifolia*, Moon's Cat. p. 39. An *Myrtus androsæmoides*, Vahl, Fl. Zeyl. n. 184?—c.p. 735 (763).

HAB. Common up to an elevation of 3000 feet. Nom. vulg. "Panookaara-gass."

8. **S. caryophyllæum**, Gærtn. (W. et A. Prod. i. 329.)—*Eug. (S.) caryophyllæa*, Wight, Illust. ii. p. 15; Icones, t. 540.—c.p. 1583.

HAB. Common up to an elevation of 3000 feet. Nom. vulg. "Dang-gass."

The berries, which are of about the size of a pea, are eaten by the Cinghalese.

9. **S. revolutum**.—*Eug. (S.) revoluta*, Wight, Illust. ii. p. 17; Icones, t. 534.—c.p. 2521.

HAB. Central Province, at an elevation of 3000 to 6000 feet.

Arbor mediocris. *Ramuli* aliquando obscure tetragon. *Baccæ* sphaericæ, rubiginosæ, cerasi parvi magnitudinis.

10. **S. micranthum**, Thw.; *foliis* ovatis vel ellipticis, obtusè rostrato-acuminatis, venosis, obscure punctulatis, basi angustatis, petiolatis; *cymis* folio subæquilongis; *floribus* parvulis; *calyce* acute 4-dentato.—c.p. 1580.

HAB. Central Province, at an elevation of 3000 to 5000 feet.

Arbor mediocris. *Folia* (acumine ½-¾ poll. longo) 2-4 poll. longa, ¾-2 poll. lata, *petiolo* 2-5 lin. longo. *Baccæ* sphaericæ, rubiginosæ, pisi magnitudinis.

11. **S. Gardneri**, Thw.; *foliis* ovato-lanceolatis, rostrato-acuminatis, brevissimis, subtus delicatule parallel-venosis, pellucido-punctatis; *cymis* folio brevioribus; *calyce* obscure 4-dentato.—c.p. 2496.

HAB. Central Province, at an elevation of 2000 to 4000 feet.

Arbor mediocris. *Folia* 2½-4 poll. longa, 1-1½ poll. lata, *petiolo* tenui 4-5 lin. longo.

** *Ramulis junioribus tetragonis.*

12. **S. lissophyllum**, Thw.; *foliis* ovato-lanceolatis, acuminatis, lævissimis, subtus delicatule venosis, punctulatis; *cymis* folio sæpissime longioribus; *dentibus calycinis* brevibus, rotundatis.—An "*Eug. (S.) cymosa*, Lam." Wight, Icon. t. 555?—c.p. 2452, 2453.

HAB. Forests in the Central Province, at an elevation of 3000 to 5000 feet.

Arbor mediocris. *Folia* 1½-3 poll longa, 6-13 lin. lata, *petiolo* 2-3 lin. longo.

Closely resembling the preceding species in the shape and venation of the leaves, but these are smaller and more shortly petioled in the present plant, which is moreover at once distinguished from the other by its quadrangular ramuli. *Eug. (S.)*

toddalioides, Wight, Icon. t. 542, must be very closely allied to this, but the longer-pedicelled flowers would seem, judging from the figure, sufficient to prove it distinct.

13. *S. umbrosum*, Thw.; *foliis* ovatis, breve et obtuse acuminatis vel retusis, basi angustatis, utrinque lævissimis, subeveniis; *cymis* folio longioribus.—c.p. 2539.

HAB. Open, grassy places in the Central Province, at an elevation of 5000 to 6000 feet.

Arbor mediocris, ramosissima *Folia* 1-2 poll. longa, 6-10 lin. lata, *petiolo* $1\frac{1}{2}$ -2 lin. longo

Differs from the last in the shape and venation of the leaves: the inflorescence of the two species is very similar.

14. *S. spathulatum*, Thw.; *foliis* parvis, spathulato-obovatis vel lanceolatis, obtusis, superne nitidis, subtus opacis, parce parallelavenosis, dense glanduloso-punctatis; *cymis* folio subæquilongis vel brevioribus, *floribus* parvis, brevi-pedicellatis.—c.p. 2493 (2494).

HAB. Central Province, at an elevation of 3000 to 5000 feet.

Arbor parva. *Folia* 1-1 $\frac{1}{4}$ poll. longa, 4-8 lin. lata, *petiolo* 1-1 $\frac{1}{2}$ lin. longo. *Baccæ* sphericæ, rubro-nigrescentes, pisi magnitudine

Apparently closely allied to *S. rubiginosum*, W. et A. Prod i 330

15. *S. calophyllifolium*.—Eug. (*S.*) *calophyllifolia*, Wight, Icones, t. 1000.—c.p. 160.

HAB. Adam's Peak, at an elevation of 6000 to 7000 feet.

16. *S. sclerophyllum*, Thw., *foliis* parvis, valde coriaceis, obovatis vel subrotundatis, sessilibus, cordatis, superne glabris, subtus venosis; *costa* ad basin incrassata; *cymis* folio subæquilongis.—c.p. 274.

HAB. Central Province, at an elevation of 6000 to 8000 feet.

Arbor mediocris. *Folia* 5-12 lin. longa, 4-10 lin. lata. *Baccæ* sphericæ, nigrescentes, cerasi parvi magnitudine

17. *S. rotundifolium*, Arn. Pug. (335) 17.—Eug. (*S.*) *rotundifolia*, Wight, Illust. ii. p. 17.—c.p. 1587.

HAB. Central Province, at an elevation of 6000 to 8000 feet.

Arbor parva. *Folia* orbicularia, obtusissima vel obscure acuminata, basi subcordata vel parum angustata, 4-8 lin. longa, *petiolo* $\frac{1}{2}$ -1 $\frac{1}{2}$ lin. longo. *Baccæ* sphericæ, rubro-nigrescentes, cerasi parvi magnitudine

Nearly allied to the preceding, but I think certainly distinct.

18. *S. oliganthum*, Thw.; *foliis* parvis, obovatis, obtuse brev-acuminatis vel retusis, basi angustatis, leviter venosis, punctatis; *capitulis* paucifloris, brevi-pedunculatis, terminalibus.—c.p. 452 (588).

HAB. Ambagamowa District, at an elevation of 3000 to 5000 feet.

Arbor parva. *Folia* 4-10 lin. longa, 3-6 lin. lata, *petiolo* 1 lin. longo. *Baccæ* sphericæ, rubro nigrescentes, pisi magnitudine

6. ACMENA, DC.

1. *A. Zeylanica*.—Eug. (*A.*) *Zeylanica*, Wight, Illust. ii. p. 15, cum syn.; Icones, t. 73.—c.p. 56, 380 (470, 1579).

HAB. Common in the hot, drier parts of the island, up to no great elevation. Nom. vulg. "Marang-gass."

Arbor mediocris *Folia* lineari-vel ovato-lanceolata, acuminata, basi angustata vel rotundata, dense glanduloso-punctata, 1-4 poll. longa, 1 $\frac{1}{2}$ -10 lin. lata, *petiolo* 1-3 lin. longo *Calyx* valde glandulosus

2. **A. lanceolata**.—*Eug. (A.) lanceolata*, Wight, *Illustr. ii.* p. 15; *Icones*, t. 530. *Syzygium lanceolatum*, W. et A. *Prod. i.* p. 330, cum syn. An *Eugenia (A.) Wightiana*, Wight, *Illustr. ii.* p. 15; *Icones*, t. 529, cum syn. ?—C.P. 2363.

HAB. Ambagamowa and Kornegalle Districts, up to an elevation of 2000 feet.

LXV. BARRINGTONIACEÆ.

1. BARRINGTONIA, Forst.

† *Calyce primum indiviso vel apice minute aperto, denique in lobis 2-3 longitudinaliter fissis.*

1. **B. speciosa**, Linn. (W. et A. *Prod. i.* 333, cum syn.; Wight, *Icones*, t. 547.)—C.P. 3610.

HAB. On the sea-shore, between Gallo and Matura.

2. **B. racemosa**, Roxb. (W. et A., l. c. cum syn.; Wight, *Icones*, t. 152; Thomson in Linn. Soc. *Journ. ii.* p. 47. t. 1. fig. 3.)—C.P. 2682.

Var. *a*; *calyce juniore indiviso, apiculato.*

Var. *β*; *foliis floribusque minoribus, pedicellis longioribus, calyce juniore ad apicem minute aperto.*—*B. Ceylanica*, Gardn. MSS.

HAB. Warm, moister parts of the island, up to an elevation of 1500 feet. Nom. vulg. "Deya-midella-gass."

†† *Calyce 4-lobis, lobis imbricatis* Stravadium, Juss

3. **B. acutangulum**, Gærtn. (W. et A., l. c. cum syn.)—C.P. 1592 (1593).

HAB. Hotter parts of the island, up to no great elevation. Nom. vulg. "Ella-midella-gass."

2. CAREYA, Roxb.

1. **C. arborea**, Roxb. (W. et A. *Prod. i.* 334, cum syn.; Wight, *Illustr. ii.* p. 20, tt. 99, 100.)—C.P. 3169.

HAB. Central Province, in exposed, grassy places, up to an elevation of 5000 feet. Nom. vulg. "Cahaata-gass."

Ovula in loculis biseriatis, singula dimidio inferiore membrana placentali vestita.

The bark of this tree is very astringent, and is used medicinally and for tanning

In *Barringtonia* and *Careya* I find the young leaves furnished with very minute stipules.

3. ANISOPHYLLEA, Br.

Anisophyllum, Don. *Tetracrypta*, Gardner and Champion.

1. **A. Zeylanica**, Benth. in *Niger Flora*; Hook. f. and Th. in Linn. Soc. *Journ. ii.* p. 86.—*Tetracrypta cinnamomoides*, Gard. and Ch. in Hook. *Journ. of Bot. i.* p. 314, and v. p. 378. t. 5.—C.P. 2205.

HAB. Southern and central parts of the island, up to an elevation of 1500 feet. Nom. vulg. "Wellapeyenna-gass."

Calycis lobi persistentes. *Fructus* indehiscens. *Embryo* exalbuminosus, axialis, *cotyledonibus* nullis vel subnullis.

The structure and germination of the embryo are precisely as in *Careya* and *Barringtonia*, so well described by Dr. Thomson in the *Linnean Society's Journal*, vol. ii. p. 47.

LXVI. RHIZOPHORACEÆ.

SECT. 1. RHIZOPHOREÆ.

1. RHIZOPHORA, Linn.

Nom. vulg. "Cadol-gass."

1. **R. mucronata**, Lam. (Blume, Mus. Bot. Lugd.-Bat. i. p. 132, cum syn.; Wight, Icones, t. 238.)—c.p. 1969.

HAB. Trincomalee, Calpentyu, *Gardner*. Negumbo and other parts of the coast.

This and some of the other species of the family are used for tanning.

2. **R. conjugata**, Linn. (Blume, l. c. cum syn.)—c.p. 1968.

HAB. With the preceding, and equally common.

2. BRUGUIERA, Lam.

1. **B. gymnorhiza**, Lam. (Blume, l. c. p. 136, cum syn.)—An quoque *B. cylindrica*, Bl. l. c. p. 137, cum syn. P.—c.p. 3611 (1967, *partim*).

HAB. Southern coast of the island.

2. **B. Rheedii**, Blume, l. c. p. 138, cum syn.—*B. Rumphii*, Bl., and *B. Wightii*, Bl. l. c. cum syn.; Wight, Icones, t. 139 A.—c.p. 3612 (1967, *partim*).

HAB. Common near the sea-coast, *Gardner*, etc.

Blume seems to have divided this genus into an unnecessary number of species, and it may be presumed, from the differences being so trivial, that they will all prove to be varieties of one variable species.

3 KANILIA, Blume, l. c. p. 140.

Walp. Ann. ii. p. 528.

1. **K. caryophylloides**, Bl. l. c., cum syn.; Walp. l. c. p. 529.—c.p. 1965.

HAB. Trincomalee and Calpentyu, *Gardner*.

4. CERIOPS, Arn.

Blume, l. c. p. 142

1. **C. Candolleana**, Arn. (Bl. l. c. cum syn.; Wight, Icones, t. 240.)—c.p. 1966.

HAB. Trincomalee, *Gardner*. Negombo, etc.

SECT. 2. LEGNOTIDEÆ.

5. CARALLIA, Roxb.

Blume, l. c. p. 128.

† *Calyce* 6-7-lobed.

1. **C. integerrima**, DC. Prod. iii. p. 33; Blume, l. c. p. 129; Benth.

in Linn. Journ. Bot. iii. p. 74.—*C. Ceylanica*, Arn. Pug. 16 (334). *C. Sinensis*, Arn. l. c. 17 (335).—c.p. 1763, 1764.

HAB. Not uncommon, up to an elevation of 3000 feet. Nom. vulg. "Dawata-gass."

The wood is strong, and being rather ornamental, is adapted for furniture.

†† *Calyce 4-lobo.*

2. *C. calycina*, Benth. in Linn. Journ. Bot. iii. p. 75; *foliis* glabris, integris, ovatis, brevi-acuminatis, basi angustatis, parallelo-venosis, subtus punctulatis, petiolatis; *cymis* axillaribus, solitariis, paucifloris, folio brevioribus; *calyce* parum costato.—c.p. 3458.

Var. β ; *foliis* brevioribus, plus rotundatis coriaceisque.—c.p. 2588.

HAB. Var. α . Singhe Rajah Forest, between Galle and Ratnapoora, at no great elevation. Var. β . Central Province, at an elevation of 4000 to 5000 feet.

Arbor magna. *Folia* $1\frac{1}{2}$ –3 poll. longa, 1 – $1\frac{1}{2}$ poll. lata, *petiolo* 1–3 lin. longo. *Stipula interpetiolares* circiter 8 lin. longæ, cito deciduæ. *Cymæ* supra medium parce ramosæ. *Bracteolæ* rotundatæ, retusæ, sæpe mucronulatæ, circiter 1 lin. longæ. *Flores* subsessilcs, 3 lin. longi. *Calyx* lobi tubo subæquilongi. *Petala* albida, unguiculata, margine inciso-sinuata.

6. ANSTRUTHERIA, Gardner.

Calcutta Journ. of Nat. Hist. vol. vi. p. 344. t. 4. Walp. Ann. ii. p. 173.

1. *A. Zeylanica*, Gardn. l. c.—c.p. 1116.

HAB. Galle District, Gardner. Trincomalee, Dr. W. H. Harvey. Dambool, etc., up to no great elevation.

Apparently very closely allied to *Cassipourea*, Aubl.

LXVII. LYTHRARIACEÆ.

SECT. 1. LYTHREÆ.

1. AMMANNIA, Houst.

Subgenus 1. DIPLOSTEMON, DC., Blume.

1. *A. octandra*, Linn. (Blume, Mus. Bot. Lugd.-Bat. ii. p. 132, cum syn.; Walp. Ann. iv. p. 686.)—c.p. 2797.

HAB. Hotter parts of the island.

Subgenus 2. CORNELIA, Blume.

2. *A. salicifolia*, Monti, (Bl. l. c. p. 132, cum syn.; Walp. l. c. p. 687.)—c.p. 2796.

Var. β ; *foliis* basi rotundatis vel cordatis.—c.p. 3296.

HAB. Common in the hotter parts of the island.

My specimens of this species have all apetalous flowers.

Subgenus 3. HAPALOCARPUM, W. et A.

3. *A. Indica*, DC. (Bl. l. c. p. 133. t. 46 A, cum syn.; Walp. l. c. p. 687.)—c.p. 1542 (1544).

HAB. Very abundant in the hotter parts of the island.

Subgenus 4. *SELLOWIA*, Blume.

4. *A. pentandra*, Roxb. (Bl. l. c. p. 134. t. 46 *B*, cum syn.; Walp. l. c.; Wight, Icones, t. 260 *B*)—c.p. 1548.

HAB. Very common.

2. *AMELETIA*, DC.

1. *A. Indica*, DC. (W. et A. Prod. i. p. 303; Wight, Icon. t. 257.)—*A. Indica*, Bl., and *A. elongata*, Bl. l. c. 135. t. 47, cum syn.; Walp. l. c. p. 686.—c.p. 1546.

HAB. Very abundant.

Judging from the descriptions only, the two forms, constituted distinct species by Blume, occur occasionally on the same plant.

3. *ROOTALA*, Linn.

1. *R. verticillaris*, Linn. (Bl. l. c. p. 136, cum syn.; Wight, Icones, t. 260 *A*.—c.p. 1547.

HAB. Very abundant.

4. *PEMPHIS*, Forst.

1. *P. acidula*, Forst. (Bl. l. c. p. 128. t. 43, cum syn.; Walp. l. c. p. 688.)—c.p. 1553.

HAB. North of the island, *Gardner*.

5. *GRISLEA*, Lœffl.

1. *G. tomentosa*, Roxb. (Bl. l. c. p. 127. t. 45, cum syn.)—c.p. 1552.

HAB. Common in exposed places, in the Maturatte and Oova Districts, up to an elevation of 4000 feet.

6. *LAWSONIA*, Linn.

1. *L. alba*, Lam. (W. et A. Prod. i. p. 307, cum syn.; Wight, Illust. i. 207. t. 87.)—c.p. 1551.

HAB. Hot, drier parts of the island: Manaar, *Gardner*. Batticaloe.

SECT. 2. *LAGERSTROEMIEÆ*.7. *LAGERSTROEMIA*, Linn.

1. *L. Regiæ*, Roxb. (Bl. l. c. p. 126. t. 41; Wight, Icones, t. 413.)—c.p. 1554.

HAB. Not uncommon in the warm, moister parts of the island, up to an elevation of 1500 feet. Nom. vulg. "Mooroota-gass."

8. *AXINANDRA*, Thw.

Hook. Journ. of Bot. vol. vi. p. 66. Walp. Ann. iv. p. 690.

1. *A. Zeylanica*, Thw. l. c. t. 1 *E*; Walp. l. c.—c.p. 2668.

HAB. Ambagamowa District, up to an elevation of 1500 feet.

SECT. 3. SONNERATIEÆ.

9. SONNERATIA, Linn.

1. *S. acida*, Linn. (Blume, l. c. p. 336, cum syn.; Wight, Icones, t. 340.)—c.p. 1595.

HAB. Cultura, Negombo, and other places on the coast. Nom. vulg. "Gedde-killala-gass."

Ramuli glandulis 2, parvis, disciformibus, ovalibus, paulo infra foliorum singulorum insertionem immersis, stipulas abortivas simulantibus muniti.

LXVIII. ONAGRACEÆ.

1. JUSSIEÆA, Linn.

1. *J. repens*, Linn. (W. et A. Prod. i. 335, cum syn.)—c.p. 2793.

HAB. Common in the warmer parts of the island. Nom. vulg. "Bairoo-deyanella."

Very variable in the degree of pubescence on the foliage and capsules.

2. *J. villosa*, Lam. (W. et A., l. c. 336, cum syn.)—c.p. 2794, 3297.

Var. β . *subglabra*.—c.p. 1540.

HAB. Very abundant, up to an elevation of 3000 feet.

2. LUDWIGIA, Roxb.

1. *L. parviflora*, Roxb. (W. et A., l. c. p. 336, cum syn.)—c.p. 1539, 3298, 3510.

Var. β . plus minus pubescens.—c.p. 3299.

HAB. Very abundant in the warmer parts of the island, up to no great elevation.

2. *L. prostrata*, Roxb. (Fl. Ind. i. p. 420; Wight, Icon. t. 762.)—c.p. 2795.

HAB. Cultura, Moon.

LXIX. HALORAGEÆ.

1. MYRIOPHYLLUM, Willd.

1. *M. Indicum*, Willd. (W. et A. Prod. i. 339, cum syn.)—c.p. 1540.

HAB. Warmer parts of the island. Jaffna, etc., Gardner.

2. SERPICULA, Linn.

1. *S. Indica*, Thw.—*S. hirsuta*, W. et A., l. c. 338; Wight, Icones, t. 1001; Arn. Pug. 18 (336). *S. brevipes*, W. et A., l. c. (An *Haloragis oligantha*, Arn. l. c.; non W. et A.?)—c.p. 146, 447, 451, 1545, 2811.

HAB. Abundant in the Central Province, at an elevation of 5000 to 8000 feet.

Suffrutex procumbens, glaber vel plus minus hirsutus. *Folia* alterna, opposita vel subverticillata, rotundata, oblonga vel linearia, cuneata, inciso-dentata. *Stamino* 8, antheris linearibus. *Fructus* 8-costatus, costis sæpissime 3-tuberculatis.

3. **TRAPA**, Linn.

1. **T. bispinosa**, Roxb. (W. et A., l. c. 337, cum syn.)—c.p. 2932.
HAB. Tanks, in the hotter parts of the island.

LXX. CUCURBITACEÆ.

TRIBE *NHANDIROBEE*.1. **ZANONIA**, Linn.

1. **Z. Indica**, Linn. (W. et A. Prod. i. 340, cum syn.; Wight, Illust. ii. p. 31. t. 103.)—c.p. 1628.

HAB. Not uncommon, up to an elevation of 2000 feet. Nom. vulg. "Wal-rasakinda."

Embryonis oblongi exalbuminosi *cotyledones* planæ, carnosæ, parum inæquales, *radicula* versus hilum spectante.

I have never been so fortunate as to be able to get the female flowers of this species, so cannot give an analysis of them. The Cinghalese value this plant as a febrifuge.

2. **PESTALLOZZIA**, Moritzi.

Walp. Ann. i. p. 316.

1. **P. laxa**, Thw.—*Zanonia laxa*, Wall. Pl. As. Rar. ii. p. 28; Walp. Rep. ii. p. 194; Arnott in Hook. Journ. of Bot. iii. p. 272, in adn. *Z. Wightiana*, Arn. Pug. 38 B (356); Walp. l. c. (An *Pest. pedata*, Zoll. and Mor.; Walp. l. c. ?)—c.p. 2582.

HAB. Central Province, at an elevation of 3000 to 5000 feet.

FL. MASC. *Antherarum* loculi longitudinaliter dehiscentes. **FL. FÆM.** *Ovarium* sphaericum, 3-loculare, *placentis* axilibus. *Ovula* in loculis solitaria, ab apice pendula. *Styli* 3, basi coaliti, apice divergentes, emarginati, bicuspidati. *Baccæ* sphaericæ, pisi magnitudine, 1-3-spermiæ. *Semina* exalata.

TRIBE *CUCURBITEÆ*.3. **MELOTHRIA**, Linn., Endl.

Stamina 3, æqualia, bilocularia; *filamentis* medio tubi insertis.

1. **M. deltoidea**, Thw.—*Æchmandra deltoidea*, Arn. l. c. p. 274. *Bryonia deltoidea*, Arn. Pug. 19 (337).—c.p. 1610, 2581, 3128.

HAB. Common up to an elevation of 5000 feet.

Folia deltoidea, hastata vel digitata, parce denticulata, superne callososcabra, subtus glabra vel ad nervos pilosa, 1½-3 poll. longa, *petiolo* ½-1½ poll. longo. *Curræ* simplices. *Flores* albidæ, limbo expanso, 4 lin. in diam., ad faucem hirsutissimi. **MASC.** : *Filamenta* brevia. *Antheræ* late, dorso rufo-hirsutæ, *loculis* lateralibus. *Glandula* centralis, parva, rotundata, lævis. **FL. FÆM.** Axillares, solitarii vel bini, sæpe cum masculis intermixti, longiuscule pedicellati. *Stamina* abortiva 3, filiformia. *Ovarium* fusiforme. *Stylus* filiformis, basi annulo glandulari cinctus. *Stigma* magnum, 3-lobatum. *Fructus* cylindricus, utrinque attenuatus vel fusiformis, teres vel plus minus acute 6-costatus. *Semina* levia, complanata, ovalia, albida, 1½ lin. longa.

4. ZEHNERIA, Endl.

Stamina 3, æqualia, bilocularia; filamentis prope basin tubi insertis.

1. **Z. Hookeriana**, Arn. in Hook. Journ. of Bot. iii. p. 275.—*Bryonia Hookeriana*, W. et A., l. c. 345; Wight, Icones, t. 758.—c.p. 1613.

HAB. Very abundant in the Central Province, at an elevation of 2000 to 4000 feet.

2. **Z. Garcini**, Stocks in Hook. Journ. of Bot. iv. (1852) p. 149.—*Bryonia Garcini*, Willd.; W. et A., l. c. cum syn.—c.p. 1611.

HAB. Jaffna, Gardner.

3. **Z. umbellata**, Thw.—*Karivia umbellata*, Arn. l. c. *Bryonia umbellata*, Herb. Mad.; W. et A., l. c. cum syn.—c.p. 1619, 3506.

HAB. Common up to an elevation of 3000 feet.

Flores albi, ore contracti, glandula triloba, fulvo-hirsuta. Masc. Bracteolæ carnosæ, apiculatæ. Connectivum rotundatum, ad apicem fulvo-hirsutum. Fœm. Stamina abortiva 3, filiformia, truncata. Ovarium subcylindricum, versus apicem parum contractum.

5. ÆCHMANDRA, Arn., Walp.

Stamina 5, unilocularia, fauce inserta.

† *Filamentis antherisque 3-adelphis.*

1. **Æ. epigæa**, Arn. l. c. p. 274.—*Bryonia epigæa*, Rottl.; W. et A., l. c. p. 346, cum syn.; Wight, Icones, t. 503.—c.p. 1622.

HAB. Hot, drier parts of the island.

†† *Filamentis 3-adelphis, antheris distinctis.*

2. **Æ. Zeylanica**, Thw.; *foliis oblongis vel hastato-oblongis, cordatis, acuminatis vel obtusis, subintegris vel sinuatis, parce denticulatis, superne plus minus callosos-scabris, subtus subglabris; floribus monoicis; dentibus calycinis brevibus; corollæ lobis rotundatis, acuminatis. Masc. Racemosis, pedunculatis. Fœm. Brevi-pedunculatis; ovario spherico, 4-6-ovulato.—c.p. 3002, 3500.*

HAB. Central Province, at an elevation of 3000 to 5000 feet.

Folia 3-6 poll. longa, petiolo ½-1½ poll. longo. Flores flavi, 3-4 lin. in exp. Antheræ oblique patelliformes, dorso affixæ. Filamenta brevissima. Baccæ transverse oblongæ, 2-6-spermiæ, coccineæ, circiter 6 lin. in max diam. Semina ampuliformia, parum compressa, 3 lin. in diam., nigra, zona pallida incomplete marginata.

6. MUKIA, Arn., Walp.

Stamina 5, unilocularia, prope basin tubi inserta; filamentis antherisque 3-4-adelphis.

1. **M. scabrella**, Arn. l. c. p. 276.—*Bryonia scabrella*, Linn.; W. et A., l. c. p. 345, cum syn.—c.p. 1616.

HAB. Very abundant up to an elevation of 3000 feet.

2. **M. leiosperma**, Thw.—*Bryonia leiosperma*, W. et A., l. c. cum syn.—c.p. 2700.

HAB. Central Province, at an elevation of 4000 to 5000 feet.

Closely allied, as observed by Wight and Arnott, to the preceding, but I find in the male flowers of the present plant a rudimentary pistil, surrounded at the base, as in the female flowers, with a glandular annulus, whilst in *M. scabrella* the male flowers have merely a small rounded gland at the base of the tube.

7. **BRYONIA**, Linn.

1. **B. laciniosa**, Linn. (W. et A., l. c. 344, cum syn.; Wight, Icones, t. 500.)—C.P. 1606.

HAB. Common up to an elevation of 5000 feet.

8. **CITRULLUS**, Neck.

1. **C. Colocynthis**, Arn. l. c. p. 276; Wight, Icones, t. 498.—*Cucumis Colocynthis*, Linn.; W. et A., l. c. p. 342, cum syn.—C.P. 1607.

HAB. Jaffna and Batticaloa, *Gardner*. Nom. vulg. "Yak-komadoo."

9. **MOMORDICA**, Linn.

1. **M. dioica**, Roxb. (W. et A., l. c. p. 348, cum syn.; Wight, Icon. tt. 505, 506.)—C.P. 197 (1617).

Var. β . *denudata*; *floribus* masc. et fœm. parum minoribus; *bracteis* parvis, inconspicuis.—C.P. 1615. (An species distincta?)

HAB. Var. α . Very abundant in the warmer parts of the island. Var. β . Central Province, at an elevation of 3000 to 4000 feet. Nom. vulg. "Toomba-karawilla."

Although the var. β , owing to the absence of the large bractæ, has a very different appearance to var. α , I have searched in vain for any other character of the least importance to distinguish them, and therefore think it safer to describe them as forms of one species.

2. **M. Charantia**, Linn. (W. et A., l. c. cum syn.; Wight, Icones, t. 504.)—C.P. 1614.

HAB. Common in bushy places, near native gardens, up to an elevation of 3000 feet. Nom. vulg. "Karawilla," "Battoo-karawilla."

The several cultivated varieties of this species are much used as a vegetable by the Cinghalese.

10. **LUFFA**, Tournef.

† *Antheris distinctis*.

1. **L. pentandra**, Roxb. (W. et A., l. c. p. 343, cum syn.; Wight, Icon. t. 499.)—C.P. 2805.

HAB. Common up to an elevation of 3000 feet. Nom. vulg. "Neyang-ratta-coloo."

†† *Antheris 3-adelphus*.

2. **L. acutangula**, Roxb. (W. et A., l. c. cum syn.)—C.P. 1624.

HAB. Common in and near native gardens. Nom. vulg. "Vatta-coloo."

I have found the anthers triadelphous in all the specimens of this species I have examined.

The young fruit of this and of the preceding are used as vegetables by the Cinghalese, but the present one is most esteemed.

11. **TRICHOSANTHES**, Linn.

1. **T. cucumerina**, Linn. (W. et A., l. c. p. 350, cum syn.)—C.P. 2806.

Var. β . *laciniosa*.—C.P. 1620.

HAB. Very common in the warmer parts of the island. Nom. vulg. "Doommaala."

This plant is much esteemed as a febrifuge.

2. *T. nervifolia*, Linn. (W. et A., l. c. p. 349, cum syn.)—c.p. 1608.

HAB. Not uncommon up to an elevation of 5000 feet.

Flores albi. *Fructus* ovatus vel subrotundus, acuminatus, coccineus. *Semina* pauca, compressa, margine incrassato angulatoque, fusca, longe funiculata, epidermide coccinea vestita.

3. *T. integrifolia*, Thw.; dioica, *foliis* glabris, subcoriaceis, integris, venosis, ellipticis ovatisve, acuminatis vel rarius lanceolatis, trinerviis, basi rotundatis vel cordatis; *cirrhis* simplicibus; *floribus* majusculis, solitariis, axillaribus; *fructibus* majusculis, carnosis, sphaericis, obtuse brevi-apiculatis; *seminibus* numerosis, compactis, horizontalibus, in quoque loculo 2-serialibus.—c.p. 1629.

HAB. Central Province, at an elevation of 2000 to 4000 feet.

Folia 2½–6 poll. longa, 1½–2 poll. lata, *petiolo* 3–5 lin. longo. *Flores* albidæ. *Fructus* coccineus, 2 poll. in diam. *Semina* levia, oblonga, obliqua, compressa, ad hilum truncata, apice bidentata, 6 lin. longa, epidermide nigro-viridi vestita.

4. *T. palmata*, Roxb. (W. et A., l. c. cum syn.)—c.p. 1626.

HAB. Common up to an elevation of 2000 feet. Nom. vulg. "Tittahondala."

12. GYMNOPETALUM, Arn., Endl.

1. *G. Wightii*, Arn. l. c. p. 278; Walp. Rep. ii. p. 203.—c.p. 1625.

HAB. Central Province, up to an elevation of 5000 feet.

Flores dioici, albidæ, 6–7 lin. in exp., *tubo* piloso 5 lin. longo. *Calycis* lobi lineares. *Petala* oblonga, subacuta. MASC. *Filamenta* 3-adelpha, supra medium tubi inserta. FÆM. *Ovarium* fusiforme, pilosum. *Stylus* cylindricus. *Stigmata* 3, linearia. *Fructus* ovalis, rostratus, coccineus, 1½–2 poll. longus. *Semina* fusconigra, 3 lin. longa, pulpa pallide coccinea immersa.

2. *G. Zeylanicum*, Arn. l. c.—*Bryonia tubiflora*, W. et A., l. c. p. 347.

HAB. Trincomalee, Klein, Wight.

I have never met with this plant, so cannot give a decided opinion as to whether it may or not be specifically different from the preceding. The differences described hardly seem, in this family, sufficient to indicate more than forms of one species. The leaves on some of my specimens of *G. Wightii* exhibit an approach in form to those of the present one. I find the calyx always hairy in the former, and Wight and Arnott describe the fruit of the latter as slightly pilose. The seeds appear to be the same in both.

13. CUCUMIS, Linn.

1. *C. pubescens*, Willd. (W. et A., l. c. p. 342, cum syn.)—c.p. 3534.

HAB. Common on rubbish and on roadsides. Nom. vulg. "Gongkakiree."

2. *C. trigonus*, Roxb. (W. et A., l. c. cum syn. ? Wight, Icon. t. 497 ?)—c.p. 1618.

HAB. Aripo and Batticaloa, Gardner.

My specimens closely resemble Wight's figure, but are not sufficiently perfect to enable me to feel quite certain as to their identity.

14. COCCINEA, W. et A.

1. **C. Indica**, W. et A., l. c. p. 347, cum syn.—c.p. 1609.

HAB. Common in waste places. Nom. vulg. "Kowakka."

LXXI. PASSIFLORACEÆ.

1. MODECCA, Linn.

1. **M. Wightiana**, Wahl. (W. et A. Prod. i. p. 353, cum syn.; Wight, Icon. t. 179.)—c.p. 1621.HAB. Putlam, *Gardner*.2. **M. palmata**, Lam. (W. et A., l. c. cum syn.; Wight, Icon. t. 201.)—c.p. 1627.

HAB. Common up to an elevation of 3000 feet. Nom. vulg. "Hon-dala."

The root is said to be poisonous; it is used by the Cinghalese as a medicine.

Passiflora minima, Jacq. (*P. Walkervæ*, Wight, Illust. ii. p. 39. t. 108), is not uncommon in cultivated ground, but can scarcely be considered indigenous. The same may be said of *P. foetida*, L.

LXXII. BEGONIACEÆ.

1. BEGONIA, Linn.

(Nom. vulg. "Hakambala.")

1. **B. Malabarica**, Dryand. in Linn. Soc. Trans. i. p. 171; ? Roxb. Fl. Ind. ni. p. 648; Rheede, Hort. Mal. ix. p. 167. t. 86.Var. β . *dipetala*; *floribus* dipetalis vel sæpe petalis interioribus 1 vel 2 angustis ornatis.—*B. dipetala*, Grah. in Hook. Bot. Mag. t. 2849; Wight, Icon. t. 1813. *Haagea dipetala*, Klotzsch, Begon. Gatt. und Art. p. 104; Walp. Ann. iv. p. 921.—c.p. 2807.*Flores* rosacei vel albid.

There can scarcely be a doubt, I think, of this being the plant figured by Rheede. The one described by Roxburgh would seem to have larger and differently shaped inner petals.

Sect. *Reichenheimia*.2. **B. Thwaitesii**, Hook. Bot. Mag. t. 4692. — *Reichenheimia Thwaitesii*, Klotzsch, l. c. p. 55. t. 4 A; Walp. l. c. p. 894.—c.p. 2808.

HAB. Hunasgiri and Matele Districts, in the Central Province, at an elevation of 3000 to 4000 feet.

3. **B. subpeltata**, Wight, Icon. t. 1812.—*Reichenheimia subpeltata*, Klotzsch, l. c.; Walp. l. c.—c.p. 2597.

HAB. Ambagamowa District, at an elevation of from 3000 to 4000 feet.

This is closely allied to the last species, but its leaves are more angular, its peduncles longer and less hairy, flowers larger.

Sect. *Diploclinium*.

4. **B. cordifolia**.—*Diploclinium cordifolium*, Wight, Icon. t. 1816, Klotz. l. c. p. 71; Walp. l. c. p. 904.—c.p. 3581.

HAB. On shady banks, in the Batticaloa and Bintenne Districts, at no great elevation.

Ceylon specimens differ a little from Dr. Wight's figure in having the petioles more or less pilose, and the flowers rather larger, but they closely resemble it in other respects.

Another species of *Begonia* (c.p. 3480) occurs in the south of the island, but my specimens are too imperfect to describe from. The stem is a few inches in length, closely pitted with the scars of the fallen leaves, and the whole plant is covered with a dense red pubescence.

LXXIII. CRASSULACEÆ.

1. **KALANCHOE**, Adams.

1. **K. floribunda**, W. et A. Prod. i. p. 359?—c.p. 540.

HAB. Hantani, at an elevation of 3000 feet.

Glaberrima, $1\frac{1}{2}$ –3-pedalis. Folia ovalia, crenato-serrata, longiuscule petiolata, floralia acuta, radicalia valde obtusa. Cymæ laxæ, paniculati. Flores lutei, rubro-tincti.

This differs from the described form of *K. floribunda* in being perfectly smooth. The branches of the cyme, too, of the present plant can hardly be called racemiform.

2. **K. laciniata**, DC. (W. et A., l. c. cum syn.; Wight, Icon. t. 1158.)

HAB. Central Province, Moon, II. de Alwis.

I have not found this species, nor are there specimens of it in this Herbarium, but Mr. Alwis, the draughtsman of this establishment, assures me he has seen it growing wild on the hills near Kandy.

2. **BRYOPHYLLUM**, Salisb.

1. **B. calycinum**, Salisb. (W. et A., l. c. cum syn.)—c.p. 541.

HAB. Not very uncommon; up to an elevation of 5000 feet. Nom. vulg. "Akka-paana," "Rata-gowa." Said to have been introduced.

LXXIV. CACTACEÆ.

1. **RHIPSALIS**, Gærtn.

1. **R. Cassytha**, Gærtn. (DC. Prod. iii. p. 476.)—c.p. 2976.

HAB. Not uncommon; upon rocks and trees throughout the Central Province, and certainly indigenous.

Rami teretes. Flores albi. Calycis segmenta 4–5, acuta, valde inæqualia, apice rubro-tincta. Petala 5–6, oblonga, obtusa. Stamina circiter 20. Ovarium incompleto 3–4-loculare, pluri-ovulatum. Stylus simplex. Stigma 3–4-lobatum. Bacca ovalis, albida, subtranslucens, pisi parvi magnitudine. Semina oblonga, nigra, nitida, inconspicue striata.

LXXV. SAXIFRAGACEÆ.

1. VAHLIA, Thunb.

1. *V. oldenlandioides*, Roxb. (W. et A. Prod. i. p. 364, cum syn.; Wight, Icon. t. 562)—c.p. 1686.

HAB. Hot drier parts of the island.

2. *V. viscosa*, Roxb. (W. et A., l. c. cum syn.; Wight, Icon. t. 563.) —c.p. 1687.

HAB. Jaffna, Gardner.

LXXVI. UMBELLIFERÆ.

1. HYDROCOTYLE, Tournef.

1. *H. Asiatica*, Linn. (W. et A. Prod. i. p. 366, cum syn.; Wight, Icon. t. 565.)—? *H. lurida*, Hance in Walp. Ann. ii. 690.—c.p. 2810.

HAB. Very abundant up to the most elevated parts of the island. Nom. vulg. "Heen-gotoocola." Used by the Cinghalese as an anthelmintic.

2. *H. Javanica*, Thunb. (DC. Prod. iv. p. 67.)—*H. Nepalensis*, Hook. Ex. Fl. i. t. 30. *H. Zeylanica*, et var. β *Heyneana*, DC. l. c. *H. polyccephala*, W. et A., l. c.; Wight, Icon. t. 1003.—c.p. 1634.

Var. β ; *foliis, petiolis pedunculisque* plus minus villosis, *pedicellis* fructu maturo aequilongis.—An *H. globata*, Blume, Bijl. p. 883 ?—c.p. 2812.

HAB. Var. α . Very abundant up to an elevation of 3000 feet. Var. β . In the more elevated parts of the island, up to 7000 feet. Nom. vulg. "Maha-gotookola."

3. *H. nitidula*, Rich. (Hook. l. c. t. 29; DC. l. c. p. 66).—*H. rotundifolia*, Roxb. Fl. Ind. ii. p. 88; Wight, Icon. t. 564. An *H. ranunculoides*, L., var. *incisa*, Blume, l. c. p. 884 ?—c.p. 1635.

HAB. Central Province, up to an elevation of 7000 feet.

Folia subtus villosula. *Fructus* brevissime pedicellati, mericarpiis glabris ad latera 1-costata.

2. SANICULA, Tournef.

1. *S. Europæa*, L., var. *elata*.—*S. elata*, Ham.; W. et A., l. c. p. 367, cum syn.; Wight, Icon. tt. 334 et 1004.—c.p. 2813.

HAB. Newera Ellia and Maturatte.

3. HELOSCIADIUM, Koch.

1. *H. Heyneanum*, DC. (W. et A., l. c. p. 368, cum syn.)—*Sium triternatum*, Moon, Cat. p. 22.—c.p. 182.

HAB. Four Corles, Moon. Very abundant in the Oova District, up to an elevation of 4000 feet. Nom. vulg. "Wal-asamodagan."

4. **PIMPINELLA**, Linn.

1. **P. Leschenaultii**, DC. Pr. iv. p. 122; W. et A., l. c. p. 3; Wight, Icon. t. 1005.—C.P. 515 (530).

HAB. Between Horton Plains and Galagama, *Gardner*. Bopatalawa Plains, at an elevation of 6000 feet.

Caulis 1-4-pedalis, pilis deflexis hirsutus. *Folia* radicalia caulinaque cordato-orbicularia vel subdeltoidea, grosse dentata, superne glabra, subtus pilosula. *Umbellæ* radii sæpissime 12-20, involucri nullo. *Umbellularum* radii 15-20, involucri circiter 6-phyllis. *Flores* albi.

My specimens of what I believe to be this species, are somewhat intermediate between those described by De Candolle and Wight and Arnott, and the *P. Candolleana* of the latter authors, but agree most essentially with the former in the character of the fruit, and in the leaves being glabrous above. Are they all forms of one species?

5. **BUPLEURUM**, Tournef.

1. **B. falcatum**, Linn., var.—*B. ramosissimum*, W. et A., l. c. p. 370; Wight, Icones, t. 1007. *B. virgatum*, W. et A., l. c. *B. nervosum*, Moon, Cat. p. 22.—C.P. 225 (508).

HAB. Oova District, *Moon*. Newera Ellia, Maturatte, and other elevated parts of the Central Province.

6. **PALIMBIA**, Bess., DC.

1. **P. ramosissima**, DC.—*Peucedanum Zeylanicum*, Gardn. MSS.—C.P. 135.

HAB. Above Galagama, *Gardner*.

In one of the specimens collected by Dr. Gardner there are the remains of a few-leaved involucrium at the base of one of the umbels.

7. **HERACLEUM**, Linn.

1. **H. Sprengelianum**, W. et A., l. c. p. 372; Wight, Icon. t. 1008.—C.P. 145.

HAB. Central Province, at an elevation of 6000 to 8000 feet.

Folia sparse pilosa vel subtus præcipue dense villosa, segmentis acutis vel rotundatis. *Merispermis* vittæ commissurales aliquando 6, 2 exteriora multo breviora.

LXXVII. ARALIACEÆ.

1. **HEDERA**, Linn.

† *Stylis distinctis, denique divergentibus.* (ARALIA.)

1. **H. acuminata**, Wight, Icon. t. 1062; Walp. Ann. i. p. 358.—*H. parasitica*, Don, Pr. Fl. Nep. p. 188; DC. Prod. iv. p. 265.—C.P. 4.

HAB. Banks of streams, near Adam's Peak, at an elevation of 4000 to 5000 feet.

My specimens are 5-7-foliate, but agree so well in every other respect with Dr. Wight's figure, that there can be but little doubt of the two plants being identical.

I adopt Wight's name in preference to Don's, as from what I observed of the small trees of this species, it had no appearance of being parasitical.

†† *Stylis brevibus, coadunatis*. (EUIFRERA.)

2. **H. racemosa**, Wight, Icon. t. 1015; Walp. l. c.—C.P. 549 (559).

HAB. Central Province, at an elevation of 3000 to 5000 feet.

Arbor magna, partibus novellis fugaci-ferrugineo-suffuraceis. Paniculae saepe valde elongatae ramosaeque. Pedicelli fasciculato-racemosi. Flores 5-7-meri.

This agrees in so many respects with Dr Wight's figure and description, that it is most probably identical with his plant, though he makes no mention of the ferruginous tomentum upon the young parts, which however speedily disappears.

††† *Stylis nullis*. (PARAKROPIA.)

Folus digitatis.

3. **H. Vahlil**, Thw. — *H. terebinthacea*, Vahl, Symb. in. p. 42? *Paratropia terebinthacea*, Arn. Pug. 20 (338); Walp. Rep. ii. p. 433.—C.P. 1632.

HAB. Very abundant up to an elevation of 3000 feet. Nom. vulg. "Itta."

Arbor scandens, epiphyta, balsamiflora, partibus novellis glaberrimis. Paniculae juniores bracteatae, bracteis lanceolatis, 3-4 lin. longis, cito deciduis Umbellae 5-8-florae. Flores 6-9-meri, saepissime 8-meri. Baccae flavae.

Notwithstanding the discrepancy with Vahl's description of his plant, as having a single style of equal length with the stamens, there can be little doubt of the present being his species, as it is the common, and, I believe, the only one occurring in the lower part of the Island.

4. **H. exaltata**, Thw.; arborea; *foliolis 7-9, majusculis, coriaceis, glabris, integris, oblongis, basi rotundatis vel subcordatis, petiolatis, venis non prominentibus; umbellis 10-15-floris, longiuscule pedunculatis, racemosis; floribus 8-9-meris*.—An *Paratropia Wallichiana*, W. et A.?—C.P. 1633.

HAB. Central Province, at an elevation of 4000 to 6000 feet.

Arbor magna. Partes novellae glabrae? Foliola 5-10 poll longa, 2½-4 poll. lata; petiolulus ½-2½ poll. longis.

This would appear to be closely allied to *P. Wallichiana*, W. et A., if it be not identical with it, seeing how much the species vary in the number of parts of the flower.

** *Folus 1-3-foliolatus*.

5. **H. emarginata**, Moon's Cat. p. 18; scandens, fruticosa, glabra; *foliis petiolatis; foliolis 1-3-nis, saepissime solitariis, cuneatis, subsessilibus, apice truncatis, emarginatis; paniculis folio longioribus, parce ramosis; umbellis longiuscule pedunculatis, 5-8-floris; floribus 5-meris*.—C.P. 655.

HAB. Saffragam, Moon. Central Province, up to an elevation of 4000 feet.

Foliola 1-2½ poll. longa, 4-12 lin. lata, utrinque (sicca) prominentim venosa, ad apicem incrassatum petioli 3-9 lin. longi articulata. Flores albi, rubro-tincti, circiter 1½ lin. in diam., margine calycina obscure 5-dentata.

LXXVIII. ALANGIACEÆ.

1. ALANGIUM, Linn.

1. **A. Lamareckii**, Thw.—*A. decapetalum*, Lam.; W. et A. Prod. i. p. 325, cum syn. *A. hexapetalum*, Lam.; W. et A., l. c. p. 326, cum syn. *A. tomentosum*, Lam.; DC. Prod. iii. p. 204.—c.p. 760 (1597, 1598, 1599, and 2498).

HAB. Hotter parts of the island, up to no great elevation. Nom. vulg. "Eepaatta."

The several forms of this species merge so completely into one another, that I find it quite impossible to separate them. The amount of pubescence and number of spines seem quite dependent upon the character of the climate, luxuriance of the plant, etc., specimens from the dry northern parts of the island being more strongly marked in that respect than those from the moister southern districts.

2. **A. glandulosum**, Thw.; *partibus novellis* rufo-furfuraceis; *foliis* ovatis vel oblongis, rostrato-acuminatis, basi 3-nerviis, superne glabris, subtus glandulis nitentibus minutissimis aspersis, ad axillas venarum primariarum glanduloso-porosis, petiolatis; *floribus* axillaribus, fasciculatis, externe glandulosis, parce hirsutis; *pedicellis* (petiolis subæquiongis) calycibusque rufo-glanduloso-furfuraceis.—c.p. 381.

HAB. Central Province, at an elevation of 2000 to 4000 feet.

Arbor parva, subscaudens, plus minus spinosa. *Folia* 2½–6 poll. longa, 1–2½ poll. lata, *petiolo* circiter 3 lin. longo. *Calyx* parvus, 6–7-dentatus, basi 3–4-bracteolatus. *Petala* 5–6, ½ poll. longa. *Stamina* 15–20, interne prope basin pilosa. *Stylus* clavatus. *Stigma* discoideum, 4-radiatum. *Fructus* rufus, pulposus, sphericus, 6 lin. in diam.

Closely allied to the last, but well distinguished by the deep-red glandular furfurescence of the young shoots, and of the pedicels and calyces, by the glandular petals and under-surface of the leaves, and by the much smaller flowers and fruit.

LXXIX. LORANTHIACEÆ.

1. LORANTHUS, Linn.

Nom. vulg. "Pelilla."

Sect. 1. *Tribracteolati*.

1. **L. loniceroides**, Linn. (W. et A. Prod. i. p. 382, cum syn.; Wight, Icon. t. 303.)—c.p. 575, 2551 (1643).

HAB. Central Province, at an elevation of 4000 to 7000 feet.

2. **L. capitellatus**, W. et A., l. c.; Wight, Icon. t. 304.—c.p. 2814.

HAB. Central Province and Safragam, up to an elevation of 3000 feet.

This, I suspect, is but a form of the preceding, which it very much resembles in many respects.

Sect. 2. *Involucrati*.

3. **L. Gardneri**, Thw.; *foliis* glabris, coriaceis, suboppositis, lanceolatis vel ovato-lanceolatis, basi rotundatis vel subcordatis, petiolatis; *involucris* subsessilibus, 5–6-phyllis, externe pilosulis, segmentis lanceolatis, flores 5–6 multo longiores emgentibus.—c.p. 1644.

HAB. Hantani, at an elevation of 3000 feet.

Ramuli teretes, glabri, rubro-nigrescentes. *Folia* 3-6 poll. longa, $1\frac{1}{2}$ -3 poll. lata (juniora rufescentia), *petiolo* 3-5 lin. longo. *Involucra* rubra, segmentis 3-6 lin. longis. *Flores* rubri, versus apicem virides, pollicares. *Corolla* 5-fissa, fissura antica longiore, infra medium attingente.

Sect. 3. *Unibracteolati*.

† *Corolla recta, æqualiter fissæ*.

4. **L. Hookerianus**, W. et A., l. c. p. 381.—c.p. 1645.

HAB. Batticaloa, *Gardner*; Hantani and Maturatte, in the Central Province.

Spice solitariae vel binæ. *Flores* flavo-rufescentes, 4 lin. longi.

5. **L. nodiflorus**, Thw.; *foliis* glabris, coriaceis, ovato-lanceolatis, acuminatis, basi parum angustatis, petiolatis; *floribus* parvis, axillaribus, sessilibus, confertis; *bracteola calyceque* furfuraceis; *corolla* glabra, 4-fissa —c.p. 2589.

HAB. Damp forests in the Ambagamowa District, at no great elevation.

Ramuli compressi, glabri, *gemmis* parce furfuraceis. *Folia* $2\frac{1}{2}$ -5 poll. longa, $1-2\frac{1}{2}$ poll. lata, *petiolo* 2-4 lin. longo. *Flores* rubri, 5 lin. longi.

6. **L. Neilgherrensis**, W. et A., l. c. p. 382; Wight, Icon. t. 1020.—c.p. 1647 (1648, 2483).

HAB. Central Province, at an elevation of 1000 to 7000 feet.

Pedunculi 2-9 lin. longi. *Corolla* rubro-sanguinea vel sæpius basi apiceque flavo-rubra, medio viridis.

May not this be a state of *L. elasticus*, Desv., from which it appears to differ but little except in its flowers being pedunculate?

†† *Corolla plus minus curvata, inæqualiter fissæ*

‡ *Corollæ segmentis* 5.

7. **L. longiflorus**, Desv. (W. et A., l. c. p. 384, cum syn.; Wight, Icon. t. 302).—c.p. 198 (1648).

Var. β .—*L. amplexifolius*, DC.; W. et A., l. c.—c.p. 2414, 2721.

HAB. Var. α . Common in the warmer parts of the island. Var. β . Deltotte and Ambagamowa, up to an elevation of 3000 feet.

Var. α and β merge so insensibly into one another, that I have not the least doubt of their being the same species. The flowers vary very much in length and in intensity of colour.

8. **L. ensifolius**, Thw.; *foliis* glabris, oppositis, membranaceis, anguste falcato-lanceolatis, 3-5-nerviis, petiolatis; *racemis* axillaribus terminalibusque, 1-2-nis, folio subæquilongis, 10-20-floris; *pedicellis* ovario longioribus; *bracteolis* minutis.—c.p. 3453.

HAB. Near Ratnapoora, at an elevation of 1000 feet.

Ramuli teretes, glabri. *Folia* 2-4 poll. longa, $\frac{1}{2}$ -1 poll. lata, *petiolo* 2-4 lin. longo.

This species appears to be rare; I have not seen the flowers of it.

9. **L. suborbicularis**, Thw.; *partibus novellis* ferrugineo-furfuraceis; *foliis* coriaceis, rotundatis vel obovato-rotundatis, obtusis, 3-nerviis, basi plus minus acutis, petiolatis, (siccis) rugulosis; *racemis* axillaribus, 1-2-nis, tomentellis, folio brevioribus; *pedicellis* ovario subæquilongis; *calyce* subacutè 5-dentato; *bracteola* ovario dimidio breviorè; *corolla* 5-par-

tita, externe stellato-pilosula, segmentis linearibus; *baccis* oblongis.—c.p. 474.

HAB. Newera and other of the most elevated parts of the island.

Ramuli teretes, scabri, fusco-cinerei. *Folia* 1-2½ poll. longa, *petiolo* 2-4 lin. longo. *Flores* flavo-virides, apice rufescentes, pollicares.

10. *L. ligulatus*, Thw.; *foliis* glabris, carnosu-coriaceis, eveniis, linearibus vel oblongis, apice rotundatis, basi acutis, petiolatis; *racemis* glabris, paucifloris, folio brevioribus vel subæquilongis; *pedicellis* ovario longioribus; *bracteola* minuta, rotundata; *calyce* obscure denticulato; *corolla* glabra, 5-fissa, segmentis spatulato-linearibus acutis.—c.p. 1640.

HAB. Jaffna and Calpentyne, *Gardner*.

Ramuli teretes. *Folia* ¾-2 poll. longa, 2¼-5 lin. lata, *petiolo* 1-2 lin. longo. *Flores* pollicares.

11. *L. cuneatus*, Heyne (W. et A., l. c. p. 385, cum syn.)—c.p. 2554 (2552 *partim*).

Var. β ; *foliis* majoribus, plus minus stellato-puberulis, denique glabris.—*L. goodeniflorus*, W. et A., l. c. *L. Candolleanus*, W. et A., l. c.; Wight, Icon. t. 305.

Var. γ ; *floribus* longioribus, cum *pedunculis* *pedicellis*que breve incano-tomentosis.—c.p. 1641.

HAB. Varr. α and β . Very abundant in the warmer parts of the island, and very destructive to orange- and other fruit-trees. Var. γ . Jaffna, *Gardner*.

Varr. α and β merge imperceptibly into one another, and the more pubescent state of the latter seems to differ in nothing from *L. Candolleanus*, W. et A., as figured by Dr. Wight. I have not seen var. γ in a fresh state.

12. *L. sclerophyllus*, Thw.; *foliis* valde coriaceis, obovato-spatulatis, obtusis, brevi-petiolatis, plerisque 3-nerviis; *junioribus* fugacissimo stellato-pubescentibus; *inflorescentia* subglabra; *pedunculis* axillaribus, 1-3-nis, brevibus, 2-5-floris; *pedicellis* umbellatis, ovario subæquilongis; *bracteola* ovario dimidio brevior; *calyce* 5-dentato.—c.p. 2442 (2552, *partim*).

HAB. Central Province, up to an elevation of 7000 feet.

Ramuli teretes, scabri. *Folia* ¾-3 poll. longa, 3 lin., 1½ poll. lata, *costa* marginique sepiissime rubris. *Flores* pollicares, flavo-rufescentes, segmentis corollæ anguste lanceolatis.

Closely allied to the preceding species, from which its very coriaceous, 3-nerved leaves distinguish it *L. memecylifolius*, W. et A., judging from Dr. Wight's figure in Icones, t. 142, would appear to resemble the present plant in many respects, but the shape and venation of the leaves are different.

13. *L. tomentosus*, Heyne, (W. et A., l. c. cum syn.; Wight, Icones, t. 378.)

Var. *normalis*; ferrugineo- vel griseo-tomentosus; *foliis* superne denique glabris; *bracteolis* ovario brevioribus.—*L. incanus*, Moon's Cat. p. 26.—c.p. 1642.

Var. *lanuginosus*; *floribus* brevioribus, longe et dense lanatis; *bracteolis* sessilibus et ovario parum longioribus vel majoribus, foliaceis, stipitatis; ceteroquin ut in var. præced.—c.p. 2492.

HAB. Var. *normalis*. Abundant up to an elevation of 5000 feet. Var. *lanuginosus*. In the Oova and Maturatte Districts, from 3000 to 5000 feet.

I have little doubt that the first of the above varieties is the typical form of the species, whilst in the latter variety, as well as in others described by previous authors, the bracteoles must be looked upon as in an abnormal condition, putting on, as they do, more or less of a leaf-like appearance.

†† *Corollæ segmentis* 4.

14. **L. buddleioides**, Desv. (W. et A., l. c. p. 383, cum syn.)—C.P. 2391.

HAB. Drier parts of the island, up to an elevation of 4000 feet.

2. **VISCUM**, Tournef.

1. **V. orientale**, Willd. (W. et A., l. c. p. 379, cum syn.)—*V. verruculosum*, W. et A., l. c.—C.P. 412 (480, 481, 1639).

HAB. Central Province, up to an elevation of 7000 feet.

2. **V. capitellatum**, Smith, (W. et A., l. c. p. 380, cum syn.)—C.P. 1638.

HAB. Very common in the warmer parts of the island, often parasitic upon species of *Loranthus*.

3. **V. spathulifolium**, Thw.; *ramis* elongatis, teretibus, trichotomis, singulis ad basin involucri parvo cupuliformi cinctis; *foliis* oppositis, anguste spathulatis, obtusis, 3-nerviis; *floribus* laxè spicatis.—C.P. 336.

HAB. Adam's Peak, *Gardner*.

4. **V. attenuatum**, DC. (W. et A., l. c. cum syn.)—C.P. 479, 1637.

HAB. Jaffna, Gajagama, *Gardner*.

5. **V. moniliforme**, Blume (W. et A., l. c. cum syn.; Wight, Icon. t. 1018, 1019.)—C.P. 295.

HAB. Common in the most elevated parts of the Central Province.

LXXX. CAPRIFOLIACEÆ.

SECT. *LONICEREÆ*.

1. **DICHILANTHE**, Thw.

Hook. Kew Journ. of Bot. viii. pp. 270, 376; Hook. fil. et Thomson in Linn. Soc. Journ. (Bot.) ii. p. 164.

1. **D. Zeylanica**, Thw. l. c.; H.f. et T. l. c. p. 174.—C.P. 3422.

HAB. In forests between Galle and Ratnapoora, at an elevation of 1000 feet.

SECT. *SAMBUCEÆ*.

2. **VIBURNUM**, Linn.

1. **V. erubescens**, Wall. (H.f. et T. l. c. p. 177, cum syn.)—C.P. 1636.

HAB. Horton Plains, at an elevation of 7000 to 8000 feet.

2. **V. hebanthum**, W. et A. Prod. i. 388; Wight, Icon. t. 1023.—*V. coriaceum*, Bl. Var. β . H.f. et T. l. c. *V. Zeylanica*, Gardn. MS.—C.P. 39 (73).

HAB. Very abundant in the Central Province, at an elevation of 5000 to 7000 feet.

LXXXI. RUBIACEÆ.

Sect. 1. *Corollæ segmentis æstivatione vulcatis.*

† *Ovarii loculis bi-pluriovulatis*

‡ *Placenta apicem prope loculi affixa, pendula*

1. NAUCLEA, Linn.

† *Platanocarpum*

1. **N. coadunata**, Roxb. (DC. Prod. iv. p. 344, cum syn.)—c.p. 1658.

HAB. Common in the warmer parts of the island. Nom. vulg. "Bakmeec-gass."

†† *Nauclearia.*

2. **N. Cadamba**, Roxb. (DC. l. c. cum syn.)—*N. orientalis*, L. (*partim*)—c.p. 1659.

HAB. Common up to an elevation of 2000 feet. Nom. vulg. "Halamba-gass."

3. **N. parvifolia**, Roxb. (DC. l. c. cum syn.)—*N. orientalis*, Linn. (*partim*)—c.p. 780.

HAB. Hot, drier parts of the island.

4. **N. tubulosa**, Arn.; *foliis* glabris (junioribus ad nervos minutissime puberulis), ovatis, obtusis vel parum acuminatis, basi rotundatis subcordatisve, petiolatis; *stipulis* magnis, membranaceis, obovatis; *pedunculis* terminalibus, sæpissime ternis, intermedio brevioribus vel sessilib; *calyce* cylindrico, subintegro, bracteolis obtusis longioribus; *stigmatibus* longiusculis, utrinque truncatis; *capsulis* majusculis, oblongis, polyspermis. —c.p. 1657.

Var. β *minor*; *foliis capitulisque* minoribus —c.p. 1656.

HAB. Var. α . Very abundant in the Kokool Corle. Var. β . Hot, drier parts of the island.

Arbor parva. *Folia* submembranacea, minutissime reticulata, 2-6 poll. longa, *petiolo* 4-6 lin. longo. *Capitula* in anthesi creiter 1½ poll. in diam (var. β *pollicaria*), prope basin foliis stipulisque 2 deciduis bracteata. *Calyx* 1-1½ lin. longus. *Corolla* purpurea. *Atheræ* apiculatæ. *Capsula* 3-4 lin. longa

††† *Pentacoryna*

5. **N. cordifolia**, Roxb. (W. et A., l. c. cum syn.)—c.p. 1660.

HAB. Hot, drier parts of the island. Nom. vulg. "Colong-gass."

6. **N. peduncularis**, Wall. Cat. 6091; Walp. Rep. ii. p. 512.—*N. triflora*, Moon's Cat. p. 14. An *N. purpureæ*, Roxb., var. ?—c.p. 2820.

HAB. Saffragam and contiguous districts, up to an elevation of 1000 feet, not uncommon. Central Province, rare.

Arbor mediocris, *ramulis* parce compressis. *Pedunculi* 1-2 poll. longi, *intermediis* parum longior, paulo infra medium bracteolis 4 parvis munitis. *Capitula* in anthesi 8-9 lin. in diam. *Corolla* ochracea, purpurascens

2. UNCARIA, Schreb.

1. **U. Gambier**, Hunt. (DC. Prod. iv. p. 347, cum syn.)—c.p. 1661.

HAB. Deltotto District, in the Central Province, at an elevation of 3000 feet. Near Colombo, *Mr. W. Ferguson*.

Ramuli subtetragonii. *Folia* juniora subtus ad nervos parce hispida.

This is a variable species in the shape of the leaves and length of the petiole. It agrees so well with Roxburgh's description that I cannot doubt its being his plant. The Cinghalese make no use, as far as I can learn, of this plant.

‡‡ *Placenta medio dissepimenti adnata.*

3. LEUCOCODON, Gard.

Calc. Journ. of Nat. Hist. vol. vii. p. 5.

Florum capitula terminalia, solitaria, involucro magno campanulato inclusa. *Calyx* tubulosus, subinteger. *Corolla* infundibuliformis, 5-loba. *Filamenta* brevia. *Antheræ* oblongæ. *Ovarium* biloculare. *Orula* plurima, reniformia. *Stylus* simplex, exsertus. *Stigma* bilobum, lobis oblongis, obtusis. *Fructus* baccatus. *Semina* numerosa, sub-rhomboidea, compressa.

1. **L. reticulatum**, Gard. l. c.—c.p. 347 (695).

HAB. Central Province, at an elevation of 3000 to 5000 feet.

Frutex scandens, epiphyticus, radicans. *Folia* oblongo-lanceolata, utrinque acuta, 3-6 poll. longa, 1-2 poll. lata, *petiolo* $\frac{1}{2}$ - $\frac{3}{4}$ poll. longo. *Stipulae* membranaceæ, oblongæ, apice bidentatæ, basi connatæ, pollicares. *Involucrum* albidum, viridescens, 1 poll. in alt., margine dentatum, brevi-pedunculatum. *Corolla* albida, circiter 8 lin. longa, lobis lanceolatis acutis tubo interne minute pilosulo brevioribus. *Bacca* alba, oblonga, 4 lin. longa. *Semina* striata, brunnea, medio nigra, $\frac{1}{2}$ lin. longa.—*A descript. cl. Gardner præcipue excerpt*

4. MUSSÆNDA, Linn.

1. **M. frondosa**, Linn. (W. et A., l. c. p. 393, cum syn.; Wight, Illustr. ii. t. 124)—c.p. 1664.

HAB. Very abundant throughout the island. Nom. vulg. "Maassenda."

The leaves are boiled and eaten as a vegetable by the Cinghalese.

5. ACRANTHERA, Arn.

Endl. Suppl. i. p. 1394.

1. **A. Zeylanica**, Arn. in Ann. of Nat. Hist. iii. p. 21.—c.p. 334.

HAB. On damp, shaded banks: in the Central Province, at an elevation of 3000 to 5000 feet.

6. NEUROCALYX, Hook.

1. **N. Zeylanicus**, Hook. Icon. Pl. ii. t. 174.—c.p. 286 (362).

HAB. Saffragam District, up to an elevation of 4000 feet.

The flowers of this and of all the following species are of a pale-purple colour.

2. **N. Wightii**, Arn. l. c. p. 20; Walp. Rep. ii. p. 515. An *N. Hookeriani*, Wight, Icon. t. 52, var. β —c.p. 595.

HAB. Warm, moister parts of the island, up to an elevation of 2000 feet.

3. *N. Gardneri*, Thw.; *foliis* majusculis, superne pilosulis, subtus ad nervos villosis, ovato-lanceolatis, acutis, obscure denticulatis, basi cuneatis; *stipulis* bipartitis; *segmentis* rotundatis, obliquis, longe acuminatis; *racemis* villosis; *bracteolis* oblongis, acuminatis, prope basin utrinque 1-dentatis; *segmentis calycinis* rotundatis, subcordatis, acuminatis.—C.P. 1671.

HAB. Pasdoon Corle, *Gardner*.

Its wider, more hairy leaves, and villous racemes, distinguish this from the preceding, to which it is in other respects very closely allied, and the two may possibly prove to be forms of one species.

4. *N. Championii*, Benth. MSS.; *foliis* oblongo-spathulatis, obtusis subacutisve; superne villosulis, denique subglabris, subtus ad nervos cum petiolo villosis; *stipulis* bipartitis; *segmentis* acutis, irregulariter 2-3-fissis; *racemis* villosis; *bracteolis* 3-partitis, *segmentis* lateralibus minoribus.—C.P. 3417, 3480.

HAB. Kokool Corle, up to no great elevation.

Folia 3-6 poll. longa, 1-2 poll. lata, *petiolo* $\frac{1}{2}$ -1 $\frac{1}{2}$ poll. longo.

7. SCHIZOSTIGMA, Arn.

Endl. Suppl. i. p. 1393.

1. *S. hirsutum*, Arn. Ann. of Nat. Hist. iii. p. 20.—C.P. 268.

HAB. Not uncommon in the south of the island, up to an elevation of 2000 feet.

Flores 1-3-ni. *Corolla* alba, 7-8 lin. in exp. *Bacca* cerasi parvi magnitudine.

8. AXANTHES, Blume.

1. *A. Zeylanica*, Wight, Icon. t. 1163.—C.P. 499 (707).

HAB. Central Province, at an elevation of 4000 to 7000 feet.

2. *A. elliptica*, Wight, Icon. t. 1164.—C.P. 359 (584).

HAB. In similar situations with the preceding.

The flowers and fruit of this and of the preceding species are of a dull orange-yellow colour.

††† *Placenta versus basin loculi affixa, plus minus erecta*

9. OPHIORRHIZA, Linn.

(Nom. vulg. "Datkatteya.")

1. *O. Mungos*, Linn. (W. et A. Prod. i. 404, cum syn.)—C.P. 1704.

HAB. Very abundant in damp, shady places.

2. *O. nemorosa*, Thw.; *caule* suberecto, parce ramoso; *foliis* glabris, lanceolatis, acuminatis, basi cuneatis; *stipulis* rotundatis, longe 1-2-setaceo-cuspidatis; *corymbis* terminalibus, pedunculatis, tomentosis; *bracteolis* minutis; *corolla* longiuscula.—C.P. 205 (215, 484).

HAB. Central Province, at an elevation of 3000 to 5000 feet.

Folia 2-6 poll. longa, $\frac{1}{2}$ -1 $\frac{1}{2}$ poll. lata. *Corolla* alba, rubro-tincta, tubo semi-pollicari.

3. *O. radicans*, Gardn. MSS.; *caule* procumbente; *petiolis* pedun-

culisque tomentosis; *foliis* parvis, ovatis orbicularibusve, acutis vel obtusis, basi rotundatis cordatisve, superne glabris, subtus ad nervos tomentosis; *corymbis* terminalibus, parvis; *pedunculo* foliis longiore; *bracteolis* parvis.—c.p. 1706.

HAB. Not uncommon in the forests of the Central Province.

Folia $\frac{1}{2}$ –1 poll. longa *Corolla* alba, *tubo* 2 lin. longo, *limbo* 3 lin. in exp.

4. *O. angustifolia*, Thw.; *caule* erecto, glabro vel breve tomentoso; *foliis* anguste lanceolatis, utrinque angustatis, glabris vel subtus ad nervos tomentosis; *stipulis* setaeo-cuspidatis; *corymbis* laxis pedunculoque tomentosis; *bracteolis* linearibus, medioeribus; *alabastris* rugulosis.—c.p. 431.

HAB. Ambagamowa District.

Folia 1–4 poll. longa, $1\frac{1}{2}$ –8 lin. lata, subtus albida. *Corolla* alba, *tubo* 1 lin. longo, *limbo* 3–4 lin. in exp.

Resembling the next species in many respects, but the smaller, narrower leaves, and the lax corymbs with their shorter bracteoles, of the present plant, seem sufficient to keep them distinct.

5. *O. pectinata*, Arn. Pug. 20 (338); Walp. Rep. vi. p. 57.—c.p. 712 (1707).

Var. β ; *corymbis* arcte compactis—*O. imbricata*, Gard. MSS.—c.p. 750.

HAB. Abundant in the Central Province, up to an elevation of 5000 feet.

6. *O. pallida*, Thw.; *caule* tomentoso, plus minus procumbente; *foliis* hispidulis, lanceolatis vel ovato-lanceolatis, acuminatis, basi acutis vel rotundatis, *stipulis* setaeo-cuspidatis; *corymbis* compactis pedunculoque glabris vel ramis sparse pilosulis; *bracteolis* longiusculis, linearibus.—c.p. 711, 3311.

HAB. Forests in the Ambagamowa District.

Closely allied to the last, but distinguished by its more or less procumbent habit, its pubescent stems and leaves, and the latter, together with the corymbs, smaller and more delicate in texture.

7. *O. glechomæfolia*, Thw.; *caule* procumbente, villosa; *foliis* parvis, rotundatis ovatisve, cordatis, subacutis, superne villosulis, subtus ad nervos petioloque villosis; *corymbis* terminalibus, pedunculatis; *bracteolis* linearibus, longiusculis, cum *lobis calycinis* ciliatis.—c.p. 1708.

HAB. Forests of the Central Province.

Folia 3–10 lin. longa, sæpe rugulosa.

This bears a close resemblance to *O. radicans*, differing from it however in its leaves being hairy on the upper surface, and in its relatively much longer-ciliated bracteoles and calyx-lobes.

10. HEDYOTIS, Lam.

1. *H. Lawsoniæ*, W. et A., l. c. p. 407, cum syn.; Wight, Icon. t. 1026.—c.p. 13, 1697 (102, 110).

HAB. Central Province, at an elevation of 5000 to 8000 feet.

Folia ovata vel plus minus anguste lanceolata, $\frac{1}{2}$ –4 poll. longa, membranacea vel subcoriacea.

A very common species, varying very much in appearance according to the character of the locality in which it occurs.

2. *H. evenia*, Thw.; fruticosa; ramulis acute 4-gonis, junioribus

pilosulis; *foliis* parvis, glabris, nitidis, coriaceis, eveniis, lanceolatis, acutis, basi rotundatis, petiolatis; *stipulis* triangularibus, pilosulis, apice parce glanduloso-tuberculatis; *paniculis* terminalibus, pilosulis.—C.P. 93.

HAB. Adam's Peak, *Gardner*.

Although this plant has a very dissimilar aspect to that of the preceding, yet I suspect it may prove to be but a variety of it.

3. *H. obscura*, Thw.; suffruticosa, erecta, (sicca) nigrescens; *ramulis* subteretibus; *foliis* glabris, lanceolatis, utrinque acutis, petiolatis; *renis* *primariis* parum conspicuis; *stipulis* triangularibus, plus minus connatis, pectinatim pinnatifidis, segmentis linearibus pilosis; *corymbis* axillaribus, pedunculatis, glabris, folio brevioribus, bracteolatis; *corolla* ad faucem pilosa.—C.P. 94 (111, 119).

Var. β ; *foliis* ovatis vel ovato-lanceolatis; *renis* *primariis* subtus prominentibus et sæpe pilosulis; *bracteis* parvis; *corollæ* lobis interne, et externe ad apicem pilosis.—C.P. 91, 101.

HAB. Central Province, at an elevation of 6000 to 8000 feet. Var. β , in rather shady places.

Apparently closely allied to *H. stylosa*, Br., but distinguished from it, judging from Dr. Wight's figure of that species in *Icones*, t. 1027, by its inflorescence not being terminal.

4. *H. Lessertiana*, Arn. Pug. 22 (339); Walp. Rep. ii. p. 492.—C.P. 99, 115 (123, 1702).

Var. β . *major*; *foliis* *floribusque* majoribus.—C.P. 96.

Var. γ . *confertiflora*; *foliis* coriaceis; *floribus* majoribus confertisque.—C.P. 103 (109, 1701).

Var. δ . *pilosa*; *ramulis* *foliisque* plus minus pilosis; *dentibus* *calycinis* brevibus, cæteroquin ut in var. *a*.—C.P. 2819.

HAB. Central Province. Varr. *a* and δ . Abundant at an elevation of 3000 to 5000 feet. Varr. β and γ . From 5000 to 8000 feet.

The extreme forms of this plant look very different, but they merge so insensibly into one another that I find it impossible to separate them as distinct species.

5. *H. flavescens*, Thw.; *ramulis* teretibus; *foliis* glabris, coriaceis; subeveniis, ovato- vel oblongo-lanceolatis, acutis; *costa* prope basin *petioloque* dilatatis; *stipulis* scariosis, vaginantibus, persistentibus, prope marginem appendiculis linearibus, apice filamentosis denique caducis cinctis; *paniculis* terminalibus, compactis.—C.P. 86, 126.

HAB. Adam's Peak, and between Galagama and Horton Plains, at an elevation of 5000 to 7000 feet.

Folia 1-4 poll. longa, $\frac{1}{2}$ -1 $\frac{1}{2}$ poll. lata, flavescens, *petiolo* 1-6 lin. longo. *Corolla* ad faucem lausa. *Fructus* oblongus, dentibus calycinis erectis, acutis, parce pilosis.

6. *H. quinquenervia*, Thw.; fruticosa, erecta; *ramulis* compressis; *foliis* parvis, coriaceis, subglabris, ovatis, obtuse brevi-acuminatis, 5-nerviis, subsessilibus, marginibus revolutis; *stipulis* connatis, cupuliformibus, externe pilosis plus minus setosisque, appendiculis linearibus, scariosis, pilosis, apice dilatatis fimbriatis, persistentibus; *capitulis* terminalibus, sessilibus.—C.P. 120.

HAB. Central Province, at an elevation of 7000 to 8000 feet.

Folia 3-8 lin. longa, flavescens. *Calyx* 4-fidus, segmentis subacutis apice pilosis. *Corolla* alba, externe purpurascens, interne ad faucem pilosa. *Antheræ* oblongæ, purpuræ.

7. *H. verticillaris*, Wall. (W. et A., l. c. p. 409; Wight, Icon. t. 1029).
—*H. plantaginifolia*, Arn. Pug. 22 (340).—c.p. 107.

HAB. Central Province, at an elevation of 7000 to 8000 feet.

8. *H. Gardneri*, Thw.; *foliis* confertis, glabris, nitidis, valde coriaceis, subeveniis, lanceolatis, acutis, basi ad petiolum dilatatum angustatis; *stipulis* oblongis, membranaceis, glabris, scariosis, persistentibus; *paniculis* terminalibus, elongatis, plurifloris, laxis, pluries trichotomis.—c.p. 116.

HAB. Adam's Peak, *Gardner*.

Rami circiter $\frac{1}{2}$ poll. in diam., *stipulis* confertis squamosi. *Folia* 3–4 poll. longa. *Calyx* 4-dentatus, dentibus apice incrassatis parum reflexis.

9. *H. fruticosa*, Linn. (W. et A., l. c. p. 408, cum syn.)—c.p. 108, 2457.

HAB. Very abundant up to an elevation of 3000 feet. Nom. vulg. "Waranneya."

10. *H. cymosa*, Thw.; *fruticosa*, erecta, (sicca) nigrescens; *ramulis* lævibus, parum angulatis; *foliis* glabris, nitidis, anguste lanceolatis, utrinque acutis; *venis primariis* inconspicuis; *stipulis* triangularibus, longe acuminatis, carinatis, margine glanduloso-dentatis; *cymis* terminalibus, laxis, puberulis; *calyce* glabro, 4-partito; *segmentis* lanceolatis, acutis, demum recurvis; *corolla* externe glabra, fauce pilosa.—c.p. 3421.

HAB. Hinidoon Corle, at an elevation of 1000 feet.

Folia 2–3 poll. longa, 3–7 lin. lata.

Readily distinguished from *H. fruticosa*, to which it is very closely allied, by its regularly cymose lax inflorescence, and by the whole plant becoming black in drying.

11. *H. monosperma*, W. et A., l. c. p. 410, cum syn.; Wight, Icon. t. 1031.—c.p. 97 (112, 139).

Var. β . *subglabra*.—*H. Richardiana*, Arn. l. c. p. 22 (340); Walp. Rep. ii. p. 492.

HAB. Very abundant in the more elevated parts of the Central Province.

The whole plant is very fetid. It varies very much in the size and hairiness of the leaves.

12. *H. nummularia*, Arn. Pug. 23 (341); Walp. Rep. ii. p. 492.—c.p. 1692.

Var. β . *glabra*.—*H. nummulariformis*, Arn. l. c.; Walp. l. c. p. 493.—c.p. 113, 2817.

HAB. Abundant in wet, rocky places: in the Central Province, at an elevation of 5000 to 8000 feet.

Caules tetragoni. *Folia* 3–10 lin. longa, marginibus sæpe revolutis *Flores* purpurei.

13. *H. auricularia*, Linn. (DC. Prod. iv. p. 420; W. et A., l. c. p. 412, cum syn.)—c.p. 1694.

HAB. Very abundant in the warmer parts of the island. Nom. vulg. "Gatta-cola."

The leaves are boiled, after being cut very small, and eaten by the Cinghalese with their rice.

14. *H. macrophylla*, Wall. (W. et A., l. c. p. 408, cum syn.)—c.p. 104, 466.

HAB. Forests about Adam's Peak.

Stipula membranaceæ, connatæ, setis dense pilosis limbo longioribus marginatæ. *Dentes calycini* lineari-lanceolati.

15. *H. nodulosa*, Arn. l. c. 22 (340); Walp. l. c. p. 493.—An *H. Walkeri*, Arn. l. c.; Walp. l. c. p.

Var. α ; *foliis* superne glabris vel obscure setulosis.—C.P. 87 (105, 1698).

Var. β ; plus minus pilosa.—*H. axillaris*, Gardn. MSS.—C.P. 88, 3095, 3542 (106, 117, 121, 1699).

HAB. Central Province and Saffragam, at an elevation of 3000 to 7000 feet.

Folia 2-6 poll. longa, $\frac{1}{2}$ -2 $\frac{1}{2}$ poll. lata, *petiolo* 2-10 lin. longo. *Stipula* membranaceæ, plus minus connatæ, dentibus subulatis brevioribus vel subæquilongis marginatæ. *Dentes calycini* subulati, recurvi.

A very variable species as regards the size and the amount of pubescence of the leaves, which are more or less tomentose or villous, or sometimes nearly altogether glabrous. From *H. macrophylla* it differs principally in the smaller, narrower teeth of the calyx.

16. *H. membranacea*, Thw.; suffruticosa, erecta, glabra; *foliis* oblongo-lanceolatis, acuminatis, basi acutis, petiolatis; *stipulis* appendiculis linearibus, longiusculis, scariosis fimbriatis; *floribus* dense glomerato-verticillatis; *segmentis calycinis* lanceolatis, scariosis.—C.P. 3621.

HAB. Pusdoon Corle, at no great elevation.—A specimen in the herbarium, collected by Moon, has no locality affixed to it.

Folia 4-6 poll. longa, 1-1 $\frac{1}{2}$ poll. lata. *Corolla* parva, flava.

An obscure plant, and possibly, as suspected by Dr. Gardner, an abnormal state of one of the two preceding species.

17. *H. cyanescens*, Thw.; suffruticosa, basi decumbens, radicans; *ramis* acute tetragonis, glabris vel pilosulis; *foliis* plus minus villosulis, ovato-lanceolatis, utrinque acutis, petiolatis; *stipulis* brevibus, membranaceis, connatis, dentibus subulatis æquilongis marginatis, parce pilosis; *floribus* dense verticillatis; *segmentis calycinis* lineari-lanceolatis, ovario 3-4-plo longioribus, villosulis.—C.P. 2384.

HAB. Muruta, Gardner. Ambagamowa District, not common.

Folia $\frac{1}{2}$ -2 $\frac{1}{2}$ poll. longa, *petiolo* 2-5 lin. longo. *Calycis* segmenta 2 lin. longa. *Corolla* albidæ, purpureo-tinctæ, externe glabræ, *tubo* infundibuliformi fauce parum piloso.

The whole plant is often of a bluish-purple colour.

18. *H. inamœna*, Thw.; suffruticosa, erecta, subglabra; *ramis* subtetragonis; *foliis* lanceolatis, acuminatis, basi acutis, petiolatis, (siccis) fuscescentibus; *stipulis* triangularibus, pilosis, apice parum glandulosis, basi connatis, cito deciduis; *floribus* glomerato-verticillatis; *segmentis calycinis* lanceolatis, tubo corollæ brevioribus.—C.P. 95, 3543 (98).

Var. β ; *foliis* latioribus, (siccis) griseo-viridibus; *stipulis* longiuscule rostrato-acuminatis.—C.P. 2639.

HAB. Ambagamowa and Saffragam Districts.

Folia 3-5 poll. longa, $\frac{1}{2}$ -2 poll. lata, *petiolo* 2-5 lin. longo.

19. *H. nitida*, W. et A., l. c. p. 412.—*H. Neesiana*, Arn. Pug. p. 23 (341).—C.P. 122.

HAB. Common in the warmer parts of the island. Nom. vulg. "Pittasooddoopala."

The leaves of this plant are finely chopped up, boiled, and eaten with rice, by the Cinghalese.

20. *H. cœrulea*, W. et A., l. c.—c.p. 1674.

HAB. Sandy places, especially near the coast.

Div. *Oldenlandia*.

21. *H. umbellata*, Lam. (W. et A., l. c. p. 413, cum syn.)—*H. polygonoides*, Wall.—c.p. 125.

HAB. Abundant, especially near the sea. Nom. vulg. "Saayam-mool."

Used as a dye by the Cinghalese.

22. *H. Burmanniana*, Br. (W. et A., l. c. p. 415, cum syn.)—*H. intermedia*, W. et A., l. c.—c.p. 1676, 2368.

HAB. Very abundant in the warmer parts of the island. Nom. vulg. "Wal-patpaadagam."

23. *H. racemosa*, Lam. (W. et A., l. c. p. 414, cum syn.; Wight, Icon. t. 312.)—*H. biflora*, Br.; W. et A., l. c. cum syn.—c.p. 1679.

HAB. Hotter parts of the island, common.

24. *H. quadrilocularis*, Thw.; herbacea, procumbens, ramosa, pilosula; ramis subteretibus; foliis ovato-lanceolatis, utrinque subacutis, petiolatis; stipulis membranaceis, rotundatis, ciliatis; floribus axillaribus terminalibusque, 1-2-nis, sessilibus; ovario 4-loculari, rarius 2-3-loculari.—c.p. 3132.

HAB. Badulla District, rare.

Folia $\frac{1}{2}$ -1 $\frac{1}{2}$ poll. longa, $\frac{1}{2}$ - $\frac{3}{4}$ poll. lata, petiolo 1-5 lin longo. Calyx turbinatus; lobis oblongis, ciliatis, interne setulosus, recurvis. Corolla tubulosa, interne glabra, lobis oblongis, acutis. Stylus filiformis, exsertus. Stigmata tot quot ovarii loculi, longiuscula, subclavata, reflexa. Capsula depressa, loculis ad basin dehiscentibus, circiter 3-spermis.

25. *H. trinervia*, (Rœm. et Sch.); W. et A., l. c. cum syn.—c.p. 1681.

HAB. Hotter parts of the island.

26. *H. Heynei*, Br. (W. et A., l. c. p. 416, cum syn.)—c.p. 1673.

HAB. Very common in the warmer parts of the island.

27. *H. maritima*, Wall. (W. et A., l. c. p. 417, cum syn.)—c.p. 1678.

HAB. Very common near the sea.

11. DENTELLA, Forst.

1. *D. repens*, Forst. (W. et A., l. c. p. 405, cum syn.)—c.p. 1683

HAB. Warmer parts of the island, not uncommon.

†† Ovarii loculis 1-ovulatis.

‡ Ovulis erectis

12. MORINDA, Vaill.

1. *M. bracteata*, Roxb. (W. et A., l. c. p. 419, cum syn.; Wight, Illust. t. 126.)—An *M. citrifolia*, Linn., var. ?—c.p. 765.

* The ovary in this genus appears to be normally two-celled, but these two cells are converted into four by the introverted carpellary leaves being so produced laterally as to reach the walls of the ovary. If this is the correct explanation of the ovarial structure, the genus would have to be placed in the previous division of the family, each cell in that case being really two-ovuled.

HAB. Not uncommon in the hotter parts of the island, in and near the gardens of the Cinghalese, who employ the roots as a dye. *Nom. vulg.* "Ahoogass."

Some fresh specimens of this plant, now before me, agree perfectly with Wight's figure of *M. bracteata*, whilst they so closely resemble too the figure in 'Florus Malabaricus,' vol. i. t. 52, quoted for *M. citrifolia*, L., that I can scarcely believe our plant to be other than a form of the latter. Some of the capitula are without the bract-like appendage of the calyces, and the anthers are quite exerted in the flowers now under examination.

2. *M. exserta*, Roxb. (W. et A., l. c. cum syn. var. β .)—C.P. 1668.

HAB. Jaffna, *Gardner*. Badulla District, *J. Bailey, Esq.* *Nom. vulg.* "Ahoogass."

3. *M. umbellata*, Linn. (W. et A., l. c. p. 420, cum syn.)—*M. scandens*, Roxb. Fl. Ind. i. p. 548.—C.P. 1669.

HAB. Very common up to an elevation of 4000 feet. *Nom. vulg.* "Kirri-walla."

The tough stems of this plant are used, instead of ropes, by the Cinghalese for tying fences.

13. MEPHITIDIA, Reinw.

Lasianthus, Jack, Wight.

1. *M. Moonii*, Wight, in Calc. Journ. of Nat. Hist. vi. p. 504; Walp. Ann. n. p. 760.—C.P. 92.

HAB. Abundant in the Saffragam District.

Frutex hispidus, parce ramosus. *Folia* superne glabra hispidulave *Capitula* pedunculata vel sessilia. *Corolla* alba, 3 lin. in exp., *tubo* brevi. *Bacca* hispidula, pulposa, rubra, subsphærica, cerasi magnitudine.

2. *M. Gardneri*, Thw.; fruticosa; *ramulis* compressis petiolisque strigosis vel hispidulis; *foliis* oblongo-lanceolatis, acuminatis, basi acutis, superne glabris, subtus pilosulis, venosis, venis secundariis numerosis parallelis; *stipulis* parvis, triangularibus, acutis, strigosis; *capitulis* sessilibus, pilosis; *segmentis calycinis* lanceolatis, acutis; *corolla* externe pilosula, interne villosa; *tubo* brevi.—C.P. 348 (1723).

HAB. Newera Ellia and Adam's Peak, *Gardner*.

Folia 3-8 poll. longa, $1\frac{1}{2}$ -2 $\frac{1}{2}$ poll. lata, *petiolo* 2-5 lin. longo.

3. *M. tomentosa*, Thw.; fruticosa; *ramulis* teretibus, vix compressis petiolisque tomentosis; *foliis* coriaceis, lanceolatis, longe acuminatis, basi acutis, superne glabris, subtus præcipue ad nervos tomentosis, venis secundariis paucis subparallelis; *capitulis* pilosis, paucifloris, sessilibus; *segmentis calycinis* lanceolatis, acutis; *corolla* externe pilosa; *tubo* brevi.—C.P. 2711.

HAB. Ambagamowa District, at an elevation of 3000 feet.

Folia 2-4 poll. longa, $\frac{1}{2}$ -1 poll. lata, *petiolo* 3 lin. longo. *Corolla* albidula. *Baccæ* pisi magnitudine, nigre.

Closely allied to, and possibly a form of, the preceding species

4. *M. rhizophylla*, Thw.; fruticosa; *ramulis* tenuibus, compressis, scabridis; *foliis* membranaceis, glabris, nitidis, delicatule venosis, lanceolatis, longe acuminatis, basi acutis, petiolatis; *capitulis* paucifloris, sessilibus; *calyce* piloso; *segmentis* linear-lanceolatis, longiusculis — C.P. 361.

HAB. Adam's Peak, *Gardner*.

Folia 2-3 poll. longa, $\frac{1}{4}$ -1 poll. lata, *petiolo* 1-2 lin. longo.

The specimens I have are not sufficiently perfect to enable me to complete the description of this species.

5. *M. protracta*, Thw.; fruticosa; *ramulis* compressis petiolisque strigosulis; *foliis* elongato-lanceolatis, a prope basin gradatim angustatis, acuminatis, mucronatis, superne glabris, subtus ad nervos strigosulis, basi subacutis, brevi-petiolatis; *venis primariis* 7-8, folii versus apicem porrectis; *secundariis* numerosis, transverse parallelis; *stipulis* minutis, triangularibus, strigosis; *capitulis* paucifloris, sessilibus; *calyce* minute 4-dentato.—c.p. 354.

HAB. Central Province, *Gardner*.

Folia 4-8 poll. longa, $1\frac{1}{2}$ -2 $\frac{1}{2}$ poll. lata, *petiolo* 1-2 lin. longo.

I have not seen this species in a fresh state, and my specimens are too imperfect to enable me to describe the flowers and fruit.

6. *M. strigosa*, Wight, l. c. p. 512; Walp. l. c. p. 762.—c.p. 1725.

HAB. Common in the Central Province and the Saffragam District, at an elevation of 2000 to 5000 feet.

Folia 2 $\frac{1}{2}$ -5 poll. longa, 1-2 poll. lata, *petiolo* 2-4 lin. longo, *venis secundariis* transverse parallelis. *Corolla* albida, externe pilosula, *tubo* 3 lin. longo, *limbo* circiter 4 lin. in exp., interne villosa. *Baccæ* subsphæricæ, opacæ, nigrae, circiter $\frac{1}{2}$ poll. in diam.

7. *M. Walkeriana*, Wight, l. c. p. 513; Walp. l. c.—c.p. 289 (340, 1728).

HAB. Central Province, up to an elevation of 5000 feet.

Folia glabra vel subtus ad nervos puræ strigosa, oblongo-vel lineari-lanceolata, basi acuta, 2-5 poll. longa, 4-1 $\frac{1}{2}$ lin. lata, *petiolo* $1\frac{1}{2}$ -3 lin. longo. *Corolla* externe pilosula, *tubo* brevi, *limbo* interne villosa. *Baccæ* nigrae, pisi magnitudinis.

The narrower, more acuminate, less pilose leaves and shorter flowers, principally distinguish this from the last species. In *M. strigosa* too the calyx-tube is much longer than in the present plant. I suspect, however, that they will prove to be only forms of one species; and *M. protracta*, Thw., will probably have to be united with them as a more rare variety.

8. *M. oligantha*, Thw.; fruticosa; *ramulis* compressis, scabridis; *foliis* oblongis, rostrato-acuminatis, basi rotundatis, utrinque venosis, glabris vel subtus ad nervos pilosulis, brevi-petiolatis; *stipulis* parvis, oblongis, pilosis; *capitulis* paucifloris, sessilibus; *floribus* parvis; *dentibus calycinis* brevibus, acutis.—c.p. 357 (1726, 1727).

Var. β . *obliqua*; *foliis* subsessilibus, basi cordatis, obliquis.—c.p. 3418.—An species distincta?

HAB. Var. α . Hantani District. Var. β . Saffragam District, up to an elevation of 3000 feet.

Var. α closely approaches some states of *M. strigosa*, Wight, and is not improbably a form of it growing in poor or dry soil. The whole genus *Mephitis* requires much investigation before the extent of variation to which the species are liable can be satisfactorily determined.

9. *M. varians*, Thw.; fruticosa, glabra; *ramulis* striatis, parum compressis; *foliis* coriaceis, ovatis vel oblongis, acutis retusisve, mucronatis, basi angustatis, petiolatis, utrinque reticulatim venosis; *stipulis* parvis, subacutis, apice pilosis; *capitulis* pedunculatis subsessilibusve, paucifloris; *dentibus calycinis* brevibus, triangularibus, acutis; *corolla* albida; *tubo* brevi; *limbo* interne villosa.—c.p. 57 (80, 290, 422, 423).

HAB. Central Province, at an elevation of 5000 to 8000 feet.

Folia 1-2 $\frac{1}{2}$ poll. longa, 4 lin. ad $1\frac{1}{2}$ poll. lata, *petiolo* 2-4 lin. longo. *Corolla* albida. *Baccæ* nigrae, pisi magnitudinis.

14. *ALLÆOPHANIA*, Thw. (gen. nov.).

**Flores* polygamo-dioici. *Calyx* tubulosus, 4-dentatus. *Corolla* infundibuliformis, 4-loba. *Stamina* 4, fauce inserta, *filamentis* (in flor. ster.) valde exsertis, *antheris* oblongis dorso affixis. *Ovarium* 4-loculare. *Stylus* filiformis (in flor. fert.), valde exsertus. *Stigma* 4-lobum, lobis pilosis. *Bacca* sicca, parva, 4-sperma. — Frutex, *Mephitidiæ* valde affinis, sed facie *Hedyotidis*; ramulis subtetragonis; foliis membranaceis; stipulis connatis, tubulosis, scariosis, striatis, ad marginem subaristatis; capitulis multifloris, axillaribus, sessilibus; floribus parvis, albis, purpureo-tinctis.

1. *A. decipiens*, Thw.; foliis lanceolatis, acuminatis, basi acutis, pilosulis vel glabris, subtus ad nervos adpresse pilosis.—c p. 3093.

Var. *β. flavescens*, Thw.; foliis plus minus pilosis, subtus ad nervos villosis, ovatis, acutis, basi cordatis rotundatis vel subacutis, petiolatis sessilibusve.—c.p. 3094 (114).

HAB. Central Province, at an elevation of 3000 to 5000 feet. Var. *β*, up to an elevation of 7000 feet.

Folia 1½–5 poll. longa, ¼–1½ poll. lata, petiolo 2–8 lin longo

In general appearance this species bears a very great resemblance to *Hedyotis nodulosa*, Arn.

15. *GRUMILEA*, Gærtn., W. et A.

1. *G. elongata*, Wight, Icon. t. 1036.—c.p. 1719.

HAB. Central Province, at an elevation of 4000 to 7000 feet.

2. *G. nudiflora*.—*Psychotria nudiflora*, W. et A., l. c. p. 434. An *G. nigra*, (Gærtn. De Fruct. i. p. 138. t. 28. f. 2?—c p. 18 (2707 partim).

HAB. Very abundant in the Central Province, at an elevation of 3000 to 6000 feet.

Corymbi ad nodos ferrugineo-pilosi. *Flores* sicpissime 5-nervi. *Baccæ* læves, nigre, subsphæricæ, pisi magnitudine.

3 *G. stenophylla*, Thw.; glabra; ramulis compressis, ad foliorum axillas glandulosis ferrugineo-villosisque; foliis lineari-lanceolatis, acuminatis, basi acutis, brevi-petiolatis; stipulis rotundato-triangularibus, brevi-cuspidatis, cito deciduis; corymbis longe-pedunculatis, 5-radiatis, ebracteolatis?, ad nodos ferrugineo-villosis; floribus ad radiorum apices pluribus, confertis; calyce sinuatum 5-dentato, corollæ tubo brevissimo, fauce piloso.—c.p. 2609.

HAB. Damp forests, at no great elevation, in the central and southern parts of the island.

Folia 2–6 poll. longa, 4–12 lin. lata, petiolo 2–3 lin. longo. *Baccæ* læves, sphericæ, nigre, pisi magnitudine.

4. *G. Gardneri*, Thw.; glabra; ramulis compressis; foliis cuneato-oblongis, subito longiuscule cuspidatis, petiolatis; stipulis triangularibus, subacutis, cito deciduis; corymbis pedunculatis, ter quaterve umbellatim ramosis, multifloris, bracteolatis; bracteolis latis, brevibus, rotundatis; floribus 3–4-nis, sessilibus; calyce obscure 5-dentato; corollæ tubo brevissimo; baccis sphaericis, lævibus, parvis.—c.p. 1718.

HAB. Central Province, at an elevation of 3000 to 6000 feet, not very common.

Folia 5–12 poll. longa, 1–3½ poll. lata, petiolo 2–8 lin longo *Baccæ* nigre.

5. **G. Wightiana**, Thw.—*Lasianthus? dubius*, Wight, in Calc. Journ. Nat. Hist. vi. p. 516.—c.p. 586.

HAB. Banks of streams, in the Ambagamowa and Saffragam Districts, at no great elevation.

Frutex parvus *Ramuli* compressi, pilosi, denique glabri. *Folia* ovato-vel oblongo-lanceolata, acuminata, basi cuneata, petiolata, superne glabra, subtus pilosa, ad nervos tomentosa, 4-8 poll longa, $1\frac{1}{2}$ -4 poll lata, *petiolo* 4-8 lin. longo. *Stipulæ* oblongæ, connatæ, pilosæ, margine scariosæ. *Corymbis* tomentosi, basi trichotomi, bracteolati, *divisionibus* *primariis* apice 3-5-tomis, lateralibus sæpe reflexis. *Bracteolæ* parvæ, obtusæ. *Flores* sessiles, capitellati. *Calyx* tubulosus, breve 5-dentatus, interne glaber. *Corolla* pilosula, *tubo* brevi. *Bacce* pilosæ, subsphærice, 3-4 lin. in diam. (sicce), subcarinatae.

6. **G. affinis**, Thw.; *ramulis* compressis, scabridis; *foliis* oblongo-vel lineari-lanceolatis, acuminatis, basi cuneatis, longiuscule petiolatis, glabris vel subtus ad nervos pilosulis; *stipulis* oblongis, pilosis; *corymbis* tomentosis, bracteolatis, basi trichotomis, divisione intermedia sæpe ad apicem trichotoma; *floribus* sessilibus, capitatis; *calyce* tubuloso, obscure 5-dentato; *baccis* pilosis, pisi magnitudine.—c.p. 2706.

HAB. Similar situations to the last species.

Præcedenti valde affinis et ejusdem forsân varietas.

7. **G. Moonii**, Thw.; *ramulis* glabris, compressis; *foliis* glabris, oblongis, abrupte acuminatis, basi cuneatis, petiolatis; *stipulis* oblongis, connatis, apice ciliatis, minute 1-2-dentatis; *corymbis* glabris, bracteolatis, basi trichotomis; *divisionibus* *lateralibus* reflexis; *centrali* apice trichotoma; *floribus* sessilibus, capitatis, bracteolis majusculis rotundatis ciliatis intermixtis; *calyce* tubuloso, 5-dentato, margine ciliato; *baccis* oblongis (siccis), utrinque obscure 4-sulcatis.—c.p. 585.

HAB. Reigam Corle, at no great elevation.

Folia 4-8 poll. longa, $\frac{1}{2}$ -3 poll lata, *petiolo* 4-8 lin. longo.

This species, with *G. Wightiana* and *G. affinis*, forms an approach to the next genus, the albumen of their seeds being less evidently ruminated than in the other species of *Grumilea* herein described, and more or less sulcate by the intrusion of folds of the testa. It would perhaps be most desirable to form of *Grumilea* a section of *Psychotria*, seeing that it is quite impossible to determine, in the absence of tolerably mature fruit, to which of the two genera certain plants should be referred.

16. PSYCHOTRIA, Linn.

§ *Seminibus, cum albumine incluso, dorso 4-sulcatis.*

1. **P. sarmentosa**, Blume, Bijl. p. 964; DC. Prodr. iv. p. 522.—*P. scandens*, Hook. et Arn. Bot. Beech. Voy. p. 193; Walp. Rep. ii. p. 471.—c.p. 1712.

HAB. Not uncommon, up to an elevation of 4000 feet.

Flores pallide virides, fauce intus flavo-pilosa. *Bacce* albæ.

§§ *Seminibus, cum albumine incluso, dorso 2-sulcatis.*

2. **P. bisulcata**, W. et A., l. c. p. 434; Wight, Icon. t. 1039.—c.p. 158 (669).

Var. β ; *foliis* longioribus, minus coriaceis; *floribus* parum minoribus; *seminibus* longioribus, latius sulcatis.—c.p. 1720. (An species distincta?)

HAB. Var. *a*. Abundant in the Central Province, at an elevation of 5000 to 7000 feet. Var. *β*. From 2000 to 4000 feet.

3. *P. plurivenia*, Thw.; *glabra*; *ramulis compressis*; *foliis linearilanceolatis, acuminatis, basi acutis, breve petiolatis, pluriveniis*; *stipulis oblongis, longe acuminatis, cito deciduis*; *corymbis terminalibus, basi trichotomis*; *floribus ternis, pedicellatis*; *calyce longiuscule 5-dentato*; *corollæ tubo brevi, fauce hirsuto*; *baccis (siccis) fusiformibus*; *seminibus late sulcatis*.—C.P. 2652.

HAB. Hewahette, in the Central Province, at an elevation of 3000 to 4000 feet.

Folia 2½–4½ poll. longa, 5–12 lin. lata, *petiolo* 2 lin. longo.

This species is apparently very closely allied to *P. polyneura*, DC.

4. *P. longipetiolata*, Thw.; *ramulis compressis*; *foliis glabris, ellipticis vel oblongis, basi rotundatis vel parce acutis, longe petiolatis*; *stipulis oblongis, acutis*; *corymbis minutissime pilosulis, pedunculatis, 5-radiatis*; *radix trichotomis, cymellis 7-floris terminatis*; *calyce brevi, 5-dentato*; *corollæ tubo brevissimo*; *baccis oblongis*; *seminibus latissime sulcatis*.—C.P. 2707.

HAB. Saffragam District, at an elevation of 3000 to 4000 feet.

Folia flavescentia, 3–7 poll. longa, 1–3 poll. lata, *petiolo* 1–2 poll. longo.

5. *P. sordida*, Thw.; *ramulis compressis, glabris vel minutissime puberulis*; *foliis subcoriaceis, oblongis, plus minus acuminatis, basi acutis, petiolatis, venis secundariis inconspicuis*; *stipulis oblongis, saepe brevicuspidatis*; *pedunculis 3-nis, terminalibus, glabris vel minutissime puberulis*; *floribus sessilibus, 3–4-nis*; *calyce brevi, 5-dentato*; *corollæ brevi, infundibuliformi, interne glabra*; *baccis oblongis*.—C.P. 333, 355, 1716 (390, 442, 1713).

HAB. Central Province, at an elevation of 1000 to 8000 feet.

Folia 1–4 poll. longa, ½–1½ poll. lata, *petiolo* 2–5 lin. longo.

A very variable species as regards the shape of the leaves, which are oblong-lanceolate, with a long acumination, or more rarely ovate and shortly acuminate.

17. PRISTIDIA, Thw. (gen. nov.).

Calyx brevissimus, annuliformis. *Corolla* infundibuliformis, (ante anthesin oblonga, apice acute 4-costata); *tubo brevi*; *limbo 4-lobo*. *Stamina* fauce inserta; *filamentis* brevibus; *antheris* majusculis, oblongis, exsertis. *Stylus* simplex. *Stigma* oblongum, bilobum.—Frutex glaber, 5–6-pedalis; *ramulis lævibus, parum compressis*; *foliis lævibus, parce venosis, oblongis, acuminatis, basi subacutis, petiolatis*; *stipulis oblongis, basi connatis, apice bidentatis*; *cymis longe pedunculatis, minute bracteolatis, supra-axillaribus vel rarius terminalibus, divisionibus ultimis spiciformibus*; *floribus parvis, late sessilibus, secundis*.

1. *P. divaricata*, Thw.—*Grumilea? divaricata*, Thw. MSS. in Herb. Hook.—C.P. 2991.

HAB. Māpalagam, near Galle, at no great elevation.

Folia 3–7 poll. longa, 1–2½ poll. lata, *petiolo* 3–4 lin. longo. *Cymæ* foliis subæquilongæ. *Corolla* pallide viridis, externe minute puberula, interne parce pilosa.

I suspect that this species is polygamo-dioicous, and that I have only the barren flowers. the fruit I have not seen. *Psychotria tortilis*, Blume, is probably a congener of this plant.

18. CHASALIA, Comm., DC.

1. *C. curviflora*, Thw. — *Psychotria curviflora* et *P. ophioxylodes*, Wall. in Roxb. Fl. Ind. ii. pp. 167, 168; DC. Prod. iv. p. 620. *P. ambigua*, W. et A., l. c. p. 433.—c.p. 1714 (133, 391, *partim*).

HAB. Not uncommon, in shady places, up to an elevation of 4000 feet.

Flores polygamo-dioici, *fertiles* breviores, stigmatibus exserto.

The structure of the fruit of this plant so precisely resembles that of *Chasalia*, as described by authors, that there can scarcely be a doubt of the propriety of referring it to that genus, as suggested by Wallich, at a time, too, it would appear, he was not acquainted with the fruit, since he has not described that organ.

19. GEOPHILA, Don.

1. *G. reniformis*, Don, (W. et A., l. c. p. 436, cum syn.; Wight, Icon. t. 54).—c.p. 1705.

HAB. Not uncommon in the Central Province.

20. SERISSA, Comm.

Bl. Bijl. p. 969. Endl.

Dysodidendron,* Gardner, in Calc. Journ. of Nat. Hist. vol. vii. p. 2.

1. *S. Ceylanica*.—*Dysod. Ceylanicum*, Gard. l. c.—c.p. 261 (344, 433, 1710, 1711).

HAB. Not uncommon in forests of the Central Province.

Frutex 8–12-pedalis, glaber, *ramis* dichotomis, parum compressis, pallidis. *Folia* membranacea, oblonga vel oblongo-lanceolata, acuminata, basi plus minus acuta, brevi-petiolata, $2\frac{1}{2}$ –6 poll. longa, $\frac{1}{2}$ –2 $\frac{1}{2}$ poll. lata, *petiolo* 1–3 lin. longo. *Stipulae* breves, plus minus connatae, aristato-3-cuspidatae, deciduae. *Pedunculi* axillares terminalesque, 1–3-flori, folio multum breviores. *Pedicelli* basi apiceque 2-bracteolati, *bracteolis* connatis. *Flores* 4-meri. *Calyx* sinuato-4-dentatus. *Corolla* infundibuliformis, extus minute pubescens, fauce villosa, *limbo* 5–7 lin. in exp. *Bacca* cyaneo-purpurea, ovoides vel oblongae, 4–9 lin. longae, 1-loculares, 1–2-spermae.—*A. descript. cl. Gardner praecipue excerpt.*

2. *S. Gardneri*, Thw.; fruticosa, glabra, dichotomo-ramosa; *foliis* ovatis vel ellipticis, acuminatis, subsessilibus, basi rotundatis cordatisque; *stipulis* connatis, aristato-3-cuspidatis; *floribus* paucis, terminalibus, subsessilibus; *calyce* acute 4-fisso.—c.p. 82.

HAB. Forests about Galagama, not uncommon.

Folia $1\frac{1}{2}$ –4 poll. longa, $\frac{1}{2}$ –2 poll. lata. *Corolla* alba, *limbo* 3 lin. in exp. *Bacca* purpureo-caerulea, subsphaerica, 4–5 lin. in diam.

This would seem to differ very slightly, except in having fewer flowers, from Dr.

* I can find no structural character of sufficient importance to distinguish generically Dr. Gardner's species of *Dysodidendron* from *Serissa* of Commerson, as described by Blume; though the dichotomous ramification and much larger leaves of the former give them a different aspect to *Serissa foetida*, Comm., with its virgate habit, small leaves, and abbreviated ramuli. Dr. Wight, in describing his *Lasianthus? foetens* in Calc. Journ. vol. vi. p. 517 (*Dysod. Wightii*, Gard.), remarks upon its accordance in many respects with *Serissa*.

Gardner's *Dysod. glomeratum*, from the Peninsula of India; but I have no specimens of the latter for comparison.

3. *S. scabrida*, Thw.; fruticosa; ramulis scabridis; foliis ellipticis, acuminatis, basi acutis, glabris; costa petioloque scabridis; stipulis connatis, aristato-fimbriatis, scabridis; floribus terminalibus, sessilibus; calyce piloso, dentibus 4, lineari-lanceolatis.—C.P. 3306.

HAB. Near Ratnapoora.

The single specimen I possess of this plant has leaves 2 to 3 inches long and $\frac{1}{4}$ to $1\frac{1}{4}$ inch wide, with a petiole about a quarter of an inch long. The flowers and ripe fruit I have not seen.

21. HYDROPHYLAX, Linn.

1. *H. maritima*, Linn. (W. et A., l. c. p. 441, cum syn.; Wight, Icon. t. 760.)—C.P. 1672.

HAB. Common near the sea-shore. Nom. vulg. "Moohoodoo-gattacola.

22. RUBIA, Tourn.

1. *R. cordifolia*, Linn. (W. et A., l. c. p. 442, cum syn.; Wight, Icon. t. 187.)—C.P. 2705.

HAB. Abundant near Badulla, Mr. Ondaatze. Not uncommon throughout the Central Province.

23. GALIUM, Linn.

1. *G. asperifolium*, Wall. (W. et A., l. c. cum syn.)—C.P. 1682.

HAB. Central Province, at an elevation of 5000 to 7000 feet.

24. BORRERIA, Mey., DC.

1. *B. ocymoides*, DC. Prod. iv. p. 544; Burm. Fl. Ind. xxxiv. t. 13. fig. 1.—C.P. 1684.

HAB. South of the island, Moon, Gardner, Ferguson.

25. SPERMACOCE, Linn.

1. *S. hispida*, Linn. (W. et A., l. c. p. 438, cum syn.)—An *S. articularis*, Linn. fil.; W. et A., l. c. cum syn. ?—C.P. 1695, 1696.

HAB. Very abundant.

I find it quite impossible to separate satisfactorily what I take, judging from the relative length of the corolla-tube, to be these two reputed species, and doubt their being really distinct.

‡‡ *Ovulis pendulis*.

26. KNOXIA, Linn.

1. *K. corymbosa*, Willd. (W. et A., l. c. p. 439, cum syn.; Wight, Illust. ii. t. 128.)—C.P. 3619 (1691 partim).

HAB. Central Province, up to an elevation of 5000 feet.

Corymbi rami ultimi pauciflori. *Fructus* $1\frac{1}{2}$ lin. longi, 1 lin. lati.

2. *K. stricta*, Gært. De Fruct. i. p. 122. t. 25.—*K. mollis*, Br.; W. et A., l. c. cum syn.—c.p. 3620 (1691 *partim*).

HAB. Common in the Central Province, on the hills.

Corymbi rami ultimi pluriflori. *Fructus* $\frac{3}{4}$ lin. longus.

Differs from the last in its longer, narrower leaves, its subumbellate and elongated branches of the corymb, and in its much smaller cocci.

3. *K. Zeylanica*, Linn. (W. et A., l. c. p. 440, cum syn.; excl. *K. stricta*, Gært.)—c.p. 1690.

HAB. Common in the southern parts of the island, up to no great elevation. Nom. vulg. "Ella-rat-mool."

4. *K. platycarpa*, Arn. Pug. 26 (344); Walp. Rep. ii. p. 468.—c.p. 1689 (2470).

Var. β . *hirsuta*.—*K. hirsuta*, Arn. l. c.; Walp. l. c. p. 469.—c.p. 1688.

Var. γ . *foliosa*; *foliis* majoribus, plus minus hirsutis, ovatis vel lanceolatis; *corymbis* foliosis; *lobis calycinis* longioribus (uno maximo sicut in varr. aliis).—c.p. 51 (118, 210, 422, 505).

HAB. Very abundant in the Central Province, at an elevation of 4000 to 7000 feet. Varr. α and β , amongst grass; var. γ , in damp, rich ground.

An extremely variable species as regards the size of the leaves and amount of pubescence on the several parts of the plant, but the several forms merge insensibly into one another.

27. CANTHIUM, Lam.

1. *C. didymum*, Gært. (W. et A., l. c. p. 425, cum syn.)—*C. umbellatum*, Wight, Icon. t. 1034. *C. undulatum*, Champion, in Hook. Kew Journ. of Bot. iv. p. 198.—c.p. 1667, 3511.

Var. β . *lanceolatum*.—*C. lanceolatum*, Arn. Pug. 24 (342).—c.p. 2513.

Var. γ . *rostratum*; *foliis* ellipticis, rostrato-acuminatis; *floribus* paucioribus, subumbellatis, parum longioribus; *fructibus* parum majoribus.—c.p. 2607.

Var. δ . *grandifolium*; *foliis* multo majoribus, superne nitidissimis.—c.p. 3419.

HAB. Varr. α and β , abundant up to an elevation of 4000 feet; varr. γ and δ , near Ratnapoora.

2. *C. montanum*, Thw.; arboreum, inerme; *foliis* valde coriaceis, ovatis vel orbicularibus, obtusis, pauciveniis, brevi-petiolatis; *pedunculis* axillaribus; *floribus* 5-meris, subumbellatis.—c.p. 2610, 2653.

Var. β . *minus*; *foliis* minoribus, utrinque parum angustatis; *pedicellis* post anthesin recurvis.—c.p. 1685.

HAB. Central Province, at an elevation of 4000 to 7000 feet.

Præcedenti valde affinis, et quoad inflorescentiam varietati γ ejusdem simillima, forsan varietas.

3. *C. parviflorum*, Lam. (W. et A., l. c. p. 426, cum syn.)—c.p. 1662 (1653).

HAB. Very abundant up to an elevation of 4000 feet.

4. *C. macrocarpum*, Thw.; fruticosum, subscandens, spinosum; *ramulis* teretibus, rufo-pilosulis; *foliis* lanceolatis, acuminatis, basi

rotundatis, utrinque rufo-pilosis; petiolo utrinque tomentoso; spinis pilosis, axillaribus, brevibus, pedunculatis; pedicellis calyce subaequilongis; floribus 5-meris; baccis majusculis, rotundatis, parum compressis, emarginatis; seminibus tuberculatis.—C.P. 2316.

HAB. Hantani, at an elevation of 3000 feet.

Folia 1½–3 poll. longa, ½–1½ poll. lata, petiolo 2–3 lin. longo. Calyx minute 5-dentatus. Corolla fusco-albida, lobis lanceolatis, tubo interne piloso, longioribus. Stamina exserta. Bacca pollicares.

5. *C. Rheedel*, DC. (W. et A., l. c. cum syn.; var. *β* et γ.)—C.P. 2303.

Var. *δ. minus*; foliis minoribus; spinis rectis, adscendentibus; alabastris subito attenuatis, acutis.—C.P. 3420.—An species distincta?

HAB. Southern and central parts of the island, up to no great elevation. Var. *δ*. Near Ratnapoora.

6. *C. campanulatum*, Thw.; fruticosum, subscandens, spinosum; ramulis teretibus, pilosis; foliis parvis, glabris, rotundatis, ovatis, vel lanceolatis, obtuse acuminatis, apiculatis, petiolatis; fasciculis 1–4 floris, axillaribus; pedicellis petiolo multum longioribus; alabastris acutis, medio constrictis; corolla campanulata; limbo 5-loba; baccis obcordatis, compressis; seminibus tuberculatis.—C.P. 2472.

HAB. Deltotte, in the Central Province, at an elevation of 3000 feet; not common.

Folia 5–14 lin. longa, 3–8 lin. lata, petiolo 1–1½ lin. longo. Pedicelli glabri, tenues, 3–4 lin. longi. Calyx glaber, crateriformis, minute 5-dentatus. Corolla lobi 2 lin. longi, tubo prope basin piloso aequilongi. Antherae parum exsertae. Stylus conicus. Stigma obconicum, utrinque truncatum, indivisum. Bacca pisi magnitudine.

28. TIMONIUS, Rumph., DC.

Nelitris, Gærtner. *Euphyrena*, W. et A.

1. *T. Iambosella*, Thw.—*Nelitris Iambosella*, Gærtner. De Fruct. i. p. 134. t. 27 (excl. syn.). *Euphyrena glabra*, W. et A., l. c. p. 422.—C.P. 157 (664).

HAB. Very common in the southern and central parts of the island; up to an elevation of 5000 feet.

Arbor parva, 8–10-pedalis. Folia subtus ad costam glanduloso-porosa. Inflorescentia axillaris, polygamo-dioica. Corolla ochracea, lobis comosis, interne longitudinaliter 4–6-sulcatis, subimbricatis. Flor. Fœm. Solitarii, cum apice pedunculi plus minus elongati articulati, bibracteolati. Ovarium aëspissime 12-loculare. Stylus simplex. Stigmata 12, in fasciculis 4 coalita. Pedunculi masc. bifurci, pauciflori. Flores laxè spicati, subsecundi. Antherae lineari-oblongae, subsessiles, inclusae. Stylus apice minute bifidus.

Sect. 2. *Corollae segmentis contorto-imbricatis*

† Ovarii loculis 1-ovulatis.

29. GUETTARDA, Linn.

1. *G. speciosa*, Linn. (W. et A., l. c. 422, cum syn.; Wight, Icon. t. 40.)—C.P. 2990.

HAB. Caltura, Moon. Near Galle. Nom. vulg. "Nil-pitcha."

30. COFFEA, Linn.

1. *C. Travancorensis*, Herb. Mad.; W. et A., l. c. p. 435.—*C. erythraea*, Moon's Cat. p. 15 (non Forst.).—C.P. 2458.—An *C. Benghalensis*, Roxb. var.?

HAB. Warm, moister parts of the island, up to an elevation of 3000 feet. Nom. vulg. "Gas-pitcha."

Frutex 4-8-pedalis. *Ramuli* adscendentes, pilis brevibus scabri. *Folia* 1-4 poll. longa, $\frac{1}{2}$ -2 poll. lata, *petiolo* circiter 1 lin. longo. *Bacca* sphaerice vel parum oblata, nigrae, 4-5 lin. in diam. (sicce) subdidymae. *Semina* hemisphaerica, ad hilum excavata.

2. *C. Wightiana*, Wall. (W. et A., l. c. p. 436; Wight, Icon. t. 1598.)—C.P. 1654.

HAB. Hot, drier parts of the island.

Differing from the last principally in its more horizontal ramification and smaller leaves, but, as remarked by Wight and Arnott, the two are probably forms of one species.

3. *C. ? elliptica*, Thw.; dioica, glaberrima; *foliis* subcoriaceis, integris, ellipticis vel oblongis, acuminatis, basi angustatis, petiolatis; *stipulis* majusculis, oblongis, acutis, convolutis; *pedunculis* terminalibus, ternis; *pedicellis* subaequilongis, ternis, folio multum brevioribus; *bracteolis* paucis, parvis, squamiformibus, versus basin pedicellorum sparsis; *calyce* integro vel minutissime denticulato; *corollae tubo* intus ad apicem piloso, *lobis* oblongis obtusis duplo longiore. MASC. *Antheris* sessilibus, linearibus, apice dilatatis, inclusis, medio affixis; *stylis* tubo brevioribus, subelavatis; *stigmatibus* lobis angustis, coherentibus; *ovarii* rudimento subnullo.—C.P. 3482.

HAB. Hindoon Corle, at no great elevation.

Arbor parva 10-12-pedalis, (sicca) nigrescens. *Folia* 4-10 poll. longa, 2-3 poll. lata, *petiolo* $\frac{1}{2}$ -1 $\frac{1}{2}$ poll. longo. *Calycis tubus* 1 lin. longus. *Corolla* alba, *tubo* 12 lin. longo, *lobis* oblongis, obtusis, 8 lin. longis. *Fl. stem.* ignoti.

This species is placed provisionally only with *Coffea*, with which it agrees in many respects, until the structure of the female flower is known: it will then probably be found to be generically quite distinct.

C. Arabica, L., so extensively cultivated in the island, springs up in the forests from seeds carried by birds, monkeys, etc., but cannot be considered indigenous.

31. PRISMATOMERIS, Thw.

Hook. Kew Journ. Bot. viii. p. 268.

Calyx cupuliformis, subinteger. *Corollae* segmenta carnea, prismatica, basi excavata. *Filamenta* brevia. *Antherae* inclusae, apicibus exsertis.

1. *P. albidiflora*, Thw. l. c. t. 7 A.—C.P. 728.

HAB. Not very uncommon in the southern and central parts of the island, up to an elevation of 4000 feet.

This plant would appear, at first sight, to offer an exception to the character of the section in which it is placed, but the convolute aestivation of the corolla is of necessity modified owing to the peculiar form and fleshy structure.

32. IXORA, Linn.

1. *I. coccinea*, Linn. (W. et A., l. c. p. 427; Wight, Icon. t. 153.)—C.P. 190.

HAB. Common in the warmer parts of the island, up to an elevation of 2000 feet. Nom. vulg. "Ratambala."

2. *I. calycina*, Thw.; glabra; foliis ovatis vel lanceolatis; acuminatis, basi cordatis rotundatis vel acutis, brevi-petiolatis; venis primariis subhorizontalibus; corymbis terminalibus, trichotomis; pedicellis brevibus, confertis; bracteolis longiusculis, linearibus; segmentis calycinis integris, lanceolatis, acutis, ovario 3-5-plo longioribus; corollæ lobis oblongo-rotundatis, acutis, tubo cylindrico multum brevioribus; baccis ovoideis vel sphaericis, calyce coronatis.—C.P. 448.

HAB. Central Province, up to an elevation of 7000 feet.

Arbor parva. Folia 1½–4 poll. longa, ½–2 poll. lata, *petiolo* 1–2 lin. longo. *Corolla* alba, rubro-tincta.

Allied apparently to *I. polyantha*, Wight, Icon. t. 1066, but distinguished by its much smaller leaves and flowers, and its glabrous corymbs.

3. *I. jucunda*, Thw.; foliis glabris, lanceolatis vel ovato-lanceolatis, acuminatis, basi angustatis, petiolatis; corymbis terminalibus, pilosulis, multifloris, basi trichotomis; divisionibus primariis elongatis; bracteolis parvis, acutis; segmentis calycinis truncatulis, ovario brevioribus.—C.P. 702 (1715, 2455, 2573).

Var. β; foliis anguste lanceolatis; segmentis calycinis subacutis, quam corollæ lobi angustioribus.—C.P. 3424.

Var. γ; tubo corollæ multo brevior.—C.P. 2 (406, 739).—An species distincta?

HAB. Not uncommon up to an elevation of 4000 feet.

Arbor parva, 10–20-pedalis. Folia 4–8 poll. longa, 1–4 poll. lata, *petiolo* 2–5 lin. longo. *Corymbi* sæpe coccinei. *Corolla* alba, rubro-tincta, lobis circiter 2 lin. longis, oblongis, acutiusculis; tubo, var. α and β, 7–14 lin. longo; var. γ, 2–3 lin. longo. *Baccæ* subsphærice, atro-rubre.

The short tube of the corolla in var. γ gives it an appearance very different from that of the other varieties, and further investigation may prove it to be specifically distinct; but I can at present discover no other character of importance sufficient to justify its separation as a species, and especially, too, as a similar variation is observable in *Pavetta Indica*, L.

4. *I. parviflora*, Vahl, (W. et A., l. c. p. 429, cum syn.; Wight, Icon. t. 711.)—C.P. 2575.

HAB. Hot drier parts of the island, up to no great elevation.

5. *I. acuminata*, Roxb. Fl. Ind. i. p. 383; Roxb. et Wall. Fl. Ind. p. 893; Wight, Icon. t. 706.—C.P. 748.

Var. β; ramulis foliisque utrinque velutinis.

HAB. Not very uncommon up to an elevation of 3000 feet. Var. β. Hot drier parts of the island.

In my specimens the stipules are rounded and cuspidate, and the throat of the corolla is not hairy, but I cannot doubt their being specifically identical with Roxburgh's plant.

33. PAVETTA, Linn.

§ *Floribus corymbosis.*

1. *P. Indica*, Linn. (W. et A., l. c. p. 431, cum syn.; Wight, Icon. t. 148.)—C.P. 1663 and 2456.

Var. β ; *corymbis* delicatulis, paucifloris; *pedicellis* elongatulis; *foliis* anguste lanceolatis, membranaceis.—c.p. 2611.

Var. γ ; *calyce* parum majore; *tubo corollae* brevioris quam in varr. α et β .—c.p. 2512.—An *Ixora breviflora*, Roxb.?

Var. δ ; *foliis* subtus *corymbisque* puberulis.—c.p. 8616.

HAB. Var. α . Very abundant up to an elevation of 3000 feet. Var. β . Ambagamowa District. Var. γ . Common at an elevation of 3000 to 4000 feet. Var. δ . Batticaloa. Nom. vulg. "Pawetta."

Calycis dentibus 4, acutiusculis, tubo 3-plo brevioribus, marginatus vel minute 4-denticulatus. *Corolla* externe glabra, *tubo* interne piloso.

2. *P. tomentosa*, Sm. (W. et A., l. c. cum syn.)—*Ixora tomentosa*, Roxb. Wight, Icon. t. 186.—c.p. 2815.

HAB. Abundant in the Batticaloa District.

Dentes calycini lanceolati, tubo longiores. *Corolla lobis* externe parce pilosi.

This agrees so well in nearly every respect with Roxburgh's description and drawing, as copied in Wight's 'Icones,' that I cannot venture to separate them. The only difference of any importance appears to be the greater length of the calyx-lobes in the present plant.

3. *P. hispidula*, W. et A., l. c.—c.p. 742 (759, 771).

HAB. Central Province, at an elevation of 3000 to 5000 feet.

Frutex 2-4-pedalis. *Ramuli* teretes, tomentosi vel subglabri. *Folia* lanceolata vel obovato-lanceolata, acuminata, basi cuneata, membranacea, superne hispidula vel glabra, subtus tomentosa vel subglabra, 2½-8 poll. longa, 1-3 poll. lata, *petiolo* 2-6 lin. longo. *Dentes calycini* parvi acutique vel *tubo* subaequilongi, obtusiusculi, vel rarius foliaceo-dilatati. *Corolla* albida. *Baccæ* nigrae, nitidae, subsphaericae, semipollicares.

A variable species, distinguished from the preceding by its yellowish, rather large flowers, and its very long style, gradually attenuated from above the middle, and from the following by the very different shape of the leaves.

4. *P. angustifolia*, Thw.; *foliis* glabris (junioribus subtus ad nervos pilosulis), lineari-lanceolatis, utrinque acuminatis, petiolatis; *stipulis* membranaceis, apiculatis, externe hispidulis, interne glabris; *corymbis* brevibus, basi trichotomis, pilosulis; *pedicellis* longiusculis; *dentibus calycinis* acutis, apice recurvis; *tubo* brevioribus; *corollæ lobis* lineari-bus, acutis; *stilo* elongato, versus apicem attenuato.—c.p. 267.

HAB. Banks of streams, in the Central Province; not uncommon.

Frutex parvus. *Folia* 3-7 poll. longa, ½-1 poll. lata, *petiolo* 1-5 lin. longo. *Corolla* albida, *tubo* 7-10 lin. longo, interne piloso, *lobis* 5 lin. longis. *Baccæ* pisii magnitudine.

§§ *Floribus glomeratis.*

5. *P. involucrata*, Thw.; *foliis* glabris, obovatis vel obovato-lanceolatis, brevi-acuminatis, basi angustatis, rotundatis vel acutis, petiolatis; *capitulis* solitariis, axillaribus, arcte involucratis, pedunculatis.—c.p. 428 (458, 1717).

HAB. Central Province, at an elevation of 5000 to 7000 feet.

Frutex 10-12-pedalis, (siccus) nigrescens. *Folia* 2½-5 poll. longa, 1-2 poll. lata, *petiolo* ½-1 poll. longo. *Pedunculi* folio multum breviores. *Involucra* foliacea, membranacea, interne pilosa. *Calycis lobis* lineares, interne pilosi, *tubo* subaequilongi. *Corolla* albida, *lobis* acutis, *tubum* aequantibus. *Stylus* corolla duplo longior, apice pilosulus. *Baccæ* sphaericae, nigrae, pisii magnitudine.

†† Ovarii loculis 2-ovulatis.

34. EPITHINIA, Jack.

1. *E. Malayana*, Jack, (W. et A., l. c. p. 424, cum syn.)—c.p. 1865.
HAB. Jaffna, Gardner.

As far as I can make out from dried specimens, the two ovules in each loculus appear to be attached to a central placenta, and one of them to be erect and the other pendulous.

35. HYPTIANTHERA, W. et A.

1. *H. macrocarpa*, Thw.; foliis glabris, oblongis, brevi-acuminatis, basi parum angustatis, petiolatis; fasciculis axillaribus vel paulo supra-axillaribus, paucifloris; pedicellis petiolo brevioribus; calycis lobis brevissimis, rotundatis, apiculatis; baccis oblongis, subspheericis, paucispermis, 1-locularibus; seminibus plus minus compressis; albumine ruminato.—c.p. 2709.

HAB. Ambagamowa District, and between Galle and Ratnapoora, at no great elevation.

Frutex 8-10-pedalis. Folia 5-8 poll longa, $1\frac{1}{2}$ - $2\frac{1}{2}$ poll lata, petiolo circiter $\frac{1}{2}$ poll. longo. Corollæ tubus cylindricus, 2 lin. longus, interne pilosus; lobis 5, breviores, rotundati, secus medium pilosi. Antheræ lineares. Baccæ subpollicares.

This species agrees in most of its characters with *Hyptianthera* of Wight and Arnott, but those authors make no mention of the seeds of their plant being ruminant.

36. SCYPHOSTACHYS, Thw.

Calyx brevis, tubulosus, 4-dentatus. *Corollæ* tubus brevis, limbus 4-lobus. *Antheræ* 4, oblongæ, subinclusæ. *Filamenta* brevia, fauce inserta. *Stylus* brevis. *Stigmata* 2, divergentia. *Ovarium* 2-loculare; loculis circiter 4-ovulatis.—Frutices; foliis lanceolatis; stipulis acuminatis, connatis; pedunculis axillaribus vel supra-axillaribus, ad apicem bracteolatis, paucifloris; bracteolis majusculis, connatis, vaginantibus; floribus sessilibus, parvis. Fructus baccatus.

1. *S. pedunculatus*, Thw.; ramulis scabridis; foliis glabris vel subtus ad nervos pilosulis; stipulis bracteolisque striatis, cuspidatis, interne longe pilosis; corollæ externe pilosa; baccis ovoideis.—c.p. 3423.

HAB. Pasdoon Corle, at no great elevation.

Folia 3-6 poll. longa, $\frac{1}{2}$ - $2\frac{1}{2}$ lata, petiolo 2 lin. longo. Pedunculi 2-5 lin. longi, sæpiissime deflexi. Bracteolæ sæpe 5-8, tanquam spicam formantes. Baccæ 7 lin. longæ, atro-purpureæ, sæpiissime 1-spermæ. Semina lineari-oblonga, circiter 4 lin. longæ.

2. *S. coffeoides*, Thw.; foliis glabris, subcoriaceis; pedunculis brevibus vel subnullis; bracteolis stipulisque muticis, subscariosis, interne glabris; corollæ externe glabra.—c.p. 2710.

HAB. Ratnapoora District, abundant, up to no great elevation: Nom. vulg. "Wal-copee."

Folia $2\frac{1}{2}$ -5 poll. longa, $\frac{1}{2}$ - $1\frac{1}{2}$ lata, petiolo 1-2 lin. longæ. Baccæ rubræ, Semina oblonga, striata, circiter 2 lin. longæ.

37. DISCOSPERMUM, Dalzell, Walpers.

Diplospora, DC. (nomen prioritatem habens, sed quoad plantarum structuram decipiens).

1. *D. Dalzellii*, Thw.; *floribus* polygamo-dioicis. FÆM? *Ovarii loculis* 6-7-ovulatis.—An *D. sphaerocarpum*, Dalz. in Hook. Kew Journ. of Bot. ii. p. 257?—C.P. 561 (753, 767).

HAB. Central Province, at an elevation of 1000 to 3000 feet.

Folia 2-4 poll. longa, $\frac{3}{4}$ -1 $\frac{3}{4}$ lata, *petiolo* 3 lin. longo. *Flores* albi, sessiles vel subsessiles. FÆM. *Corollæ* *tubus* brevior quam in flor. masc. *Ovula* prope marginem inferiorem placentæ subhemisphæricæ inserta. *Baccæ* sphæricæ, carnosæ, virides, pollicares.

The ovules of this plant are more numerous than described by Dalzell in his *D. sphaerocarpum*, and that author does not notice the dioicous inflorescence, but I suspect the two plants may prove identical.*

2. *D. erythrospermum*, Thw.; *floribus* polygamo-dioicis; *calyce* minute 4-dentato; *staminibus* longiusculis. FLOR. FÆM. *Ovarii loculis* 3-4-ovulatis; *baccis* parvis, ovoidæ vel subsphæricis; *seminibus* oblongis; *testa* rubro-glandulosa.—C.P. 2510, 3481.

HAB. Ambagamowa District, at an elevation of 3000 feet.

Folia 2-5 poll. longa, 1-2 $\frac{1}{2}$ poll. lata, *petiolo* 1 $\frac{1}{2}$ -3 lin. longo. *Flores* flavidi. *Baccæ* circiter 4 lin. in diam. *Semina* 3 lin. longa.

38 STYLOCORYNE, Cav.

1. *S. Webera*, A. Rich. (W. et A., l. c. p. 401, cum syn.; Wight, Icon. tt. 309, 584.)—C.P. 185.

Var. β . *montana*; *gemma* *alabastrisque* gummiferis; *floribus* majoribus.—*Webera cerifera*, Moon, Cat. p. 19.—C.P. 1649.

HAB. Very abundant throughout the island. Var. β in more elevated localities than var. α . Nom. vulg. "Tarrana-gass."

39. GRIFFITHIA, W. et A.

1. *G. fragrans*, W. et A., l. c. p. 400, cum syn.; Wight, Icon. t. 310.—C.P. 1234 (1651, 2522).

HAB. Not uncommon up to an elevation of 3000 feet.

Ovarii loculi circiter 8-ovulati, *ovulis* secus marginem placentæ oblongæ supra medium affixæ immersis.

2. *G. Gardneri*, Thw.; *inermis*; *foliis* glabris, nitidis, lanceolatis, acuminatis, basi angustatis, petiolatis; *corymbis* axillaribus, folio brevioribus, brevi-pedunculatis, parce pilosis, denique glabris; *pedicellis* elongatulis; *bracteolis* parvis; *calyce* minute 5-dentato, externe pilosulo; *corollæ* externe subglabra, interne ad faucem pilosa; *lobis* lineari-

* I cannot find any difference of importance. The calyx-limb differs much in the several species of this genus, and requires the generic character to be amended. It is 4-lobed in *D. sphaerocarpum* and *Dalzellii*; urceolate and entire in *D. apio-carpum*; subcampanulate and minutely 4-toothed in *D. erythrospermum*.—J. D. H.

lanceolatis; tubo duplo longioribus.—*Stylacoryne Ceylanica*, Gardn., MSS.—C.P. 657 (746).

HAB. Central Province, at an elevation of 2000 to 4000 feet.

Arbor parva, elegans, 15–20-pedalis. *Ramuli* teretes, parum compressi. *Folia* 2–4½ poll. longa, ½–1½ poll. lata, *petiolo* 2–3 lin. longo. *Flores* flavi, *lobis* 4 lin. longis. *Placentæ* 8–12-ovulatæ. *Baccæ* subsphæricæ, 4–5 lin. in diam.

3. *G. rugulosa*, Thw.; *foliis* rugulosis, ovatis vel ovato-lanceolatis, brevi-acuminatis, subtus ad nervos pilosis, denique glabris, petiolatis; *corymbis* adpresse pilosis, folio oppositis, ad axillam folii abortivi parvi spinæformis solitariis; *dentibus calycinis* brevibus, subulatis.—C.P. 245.

HAB. Ambagamown, Saffragam, and Galle Districts; not common.

Frutex, *ramulis* striatulis, cinereis, *junioribus* pilosulis. *Folia* 2–5 poll. longa, 1–3 poll. lata, *petiolo* 2–3 lin. longo. *Stipulæ* rotundatæ, cuspidatæ, interne ad basin glandulosæ. *Baccæ* globosæ, pisi magnitudine.

40. RANDIA, Houst.

1. *R. dumetorum*, Lam. (W. et A., l. c. p. 397, cum syn.; Wight, Icon. t. 580.)—*R. longispina*, DC., W. et A., l. c. p. 398; Wight, Icon. t. 582.—C.P. 1652.

HAB. Very abundant in the hotter parts of the island.

2. *R. uliginosa*, DC. (W. et A., l. c.; Wight, Icon. t. 397.)—C.P. 2936.

HAB. Trincomalee, *W. Morris, Esq.*

The unripe fruit of this plant, Mr. Morris informs me, is employed as a vegetable by the Cinghalese.

41. GARDENIA, Ellis.

1. *G. carinata*, Wall. in Roxb. Fl. Ind. ii. p. 560; DC. Prod. iv. p. 380.—An *G. costata*, Roxb. var.?—C.P. 3618 (1655 *partim*).

HAB. Batticaloa District, *Gardner*.

In the herbarium I have specimens with no locality indicated, and Mr. W. Ferguson has sent me from Colombo the leaves of another species of *Gardenia* ("Gallis-gass" of the Cinghalese), which seems to resemble in many respects *G. latifolia*, Ait., but Mr. F. is under the impression that the fruit is costate, so the matter must remain in doubt until flowers and fruit can be obtained for examination.

42. WENDLANDIA, Bartl.

1. *W. Notoniana*, Wall. (W. et A., l. c. p. 403, cum syn.)—*W. bicuspidata*, W. et A. l. c.—C.P. 315.

HAB. Central Province, up to an elevation of 7000 feet.

The stipules are very variable in form; sometimes deeply bifid, but more frequently merely retuse at the apex, with the sinus mucronate, and often quite entire.

LXXXII. VALERIANACEÆ.

1. VALERIANA, Neck.

1. *V. Hardwickii*, Wall. (Roxb. Fl. Ind. i. p. 166.)—DC. Prod. iv.

p. 640.—*V. elata*, Don, Prod. Fl. Nep. p. 159. *V. Hookeriana*, W. et A. Prod. i. p. 444. *V. Arnottiana*, Wight, Ic. tt. 1045, 1046.—c.p. 150 (1729).

HAB. Newera Ellia, abundant.

The amount of pubescence upon the leaves varies very much. In my specimens the achenia are not at all hairy between the ribs.

LXXXIII. DIPSACEÆ.

1. DIPSACUS, Tourn.

1. *D. Leschenaultii*, Coult.—DC. Prod. iv. p. 647.—*D. Walkeri*, Arn. Pug. p. 26 (334); Wight, Ic. t. 1166.—c.p. 2404 (1730).

HAB. Newera Ellia, at an elevation of 7000 feet.

LXXXIV. COMPOSITÆ.

1. VERNONIA, Schreb.

1. *V. Javanica*, DC. Prod. v. p. 22, cum syn.—c.p. 1742.

HAB. Not uncommon, at the margins of damp woods, up to an elevation of 5000 feet: very abundant in the Ambagamowa District.

2. *V. Wightiana*, Arn. Pug. p. 27 (345); DC. Prod. vii. p. 263.—c.p. (1741).

Var. β ; *foliis* anguste lanceolatis, subtus parce tomentosis.—c.p. 164.—An species distincta?

HAB. Central Province, at an elevation of 5000 to 8000 feet. Var. β . In the Ambagamowa District.

The different form of the leaves, and their much smaller amount of pubescence, give a distinct appearance to var. β , but it resembles var. α so closely in the whole structure of the inflorescence that I cannot venture to separate them.

3. *V. Zeylanica*, Less. (DC. Prod. v. p. 26, cum syn.)—c.p. 1738.

HAB. Common, in the warmer parts of the island, up to an elevation of 3000 feet. Nom. vulg. "Poona."

4. *V. conyzoides*, DC. Prod. v. p. 25, cum syn.; Wight, Icon. t. 1076.—*V. Hookeriana*, Arn. Pug. p. 28 (346); DC. Prod. vii. p. 263.—c.p. 1737.

HAB. Central Province, at an elevation of 1000 to 4000 feet.

The outer series of the pappus in my specimens is very inconspicuous.

5. *V. cinerea*, Less. (DC. Prod. v. p. 24, cum syn.)—c.p. 1736.

HAB. Very abundant throughout the island. Nom. vulg. "Monera-koodimbeya."

6. *V. Nellgherryensis*, DC. l. c. p. 32; Wight, Icon. t. 1078.—*V. setigera*, Arn. Pug. p. 27 (345); DC. Prod. vii. p. 263.—c.p. 20 (169, 566).

HAB. Central Province, at an elevation of 6000 to 7000 feet.

7. *V. anthelmintica*, Willd. (DC. Prod. v. p. 61, cum syn.)—c.p. 487.

HAB. Galagama, Gardner. Common in native gardens, but I have never met with it truly wild.

8. *V. Gardneri*, Thw.; herbacea; foliis subsessilibus, lanceolatis vel anguste lanceolatis, acute serratis, subglabris, basi angustatis; corymbo oligocephalo; capitulis majusculis, multifloris, longe pedunculatis; involucri squamis lanceolatis, saepe abrupte angustatis, squarrosis, exterioribus brevioribus angustioribusque; acheniis cylindraceis, pilosis, pappo exteriori brevissimo; receptaculo alveolo-fimbriato.—C.P. 27, 1745.

Var. *β. nervosa*; foliis firmis, ovatis vel rotundatis, acuminatis, venis subtus prominentibus, invol. squamis brevi-acuminatis.—C.P. 44.—An species distincta?

HAB. Central Province. Var. *α*. In shady places, up to an elevation of 5000 feet. Var. *β*. On exposed, wet, rocky slopes, between Horton Plains and Galagama.

Var. *α* of this species closely resembles *V. anthelmintica*, but the latter is distinguished by its smaller florets, obtuse involucre-scales, larger seeds, and naked receptacle. Var. *β* differs from var. *α* in the shape of the leaves, and their veins being much more prominent beneath; but in other respects it seems to agree with undoubted forms of this very variable species.

9. *V. nemoralis*, Thw.; herbacea, caule minute adpresso piloso, foliis lanceolatis, acuminatis, distanter serratis, subglabris, basi angustatis, capitulis 20–30-floris, longiuscule pedunculatis, involucri squamis parce floccosis, lineari-oblongis, apice plus minus rotundatis, mucronulatis, interioribus subelongatis, acheniis pilosis, pappo exteriori brevi, subpaleaceo, receptaculo alveolato-fimbriato.—C.P. 216.

HAB. Saffragam and contiguous districts, at no great elevation.

Closely allied to the preceding, from which it is principally distinguished by its fewer florets and the different shape of its involucre-scales.

10. *V. pectiniformis*, DC. Prod. v. p. 31; Wight, Ic. t. 1077.—*V. puncticulata*, DC. Prod. vii. p. 264.—C.P. 294 (567).

HAB. Central Province, to an elevation of 6000 to 7000 feet.

Achania subglabra. Pappus plus minus rufescens, serie externa 3–4-plo brevior, decidua.

11. *V. scariosa*, Arn. Pug. p. 28 (346).—*Decaneurum? scariosum*, DC. Prod. vii. p. 264.—C.P. 389.

Var. *β. crassa*; elatior; involucri squamis villosis, latioribus, abrupte et longe subulato-acuminatis.—C.P.

HAB. Central Province, at an elevation of 4000 to 7000 feet. Var. *β*. In very damp shady places.

2. ELEPHANTOPUS, Cass.

1. *E. scaber*, Linn. (DC. Prod. v. p. 86; Wight, Icon. t. 1086).—C.P. 1772.

HAB. Very abundant in open places in the warmer parts of the island. Nom. vulg. "At-addeya."

3. AGERATUM, Linn.

1. *A. conyzoides*, Linn. (DC. Prod. v. p. 108, cum syn.)—C.P. 3633.

HAB. A most abundant weed throughout the island, from the sea-level to an elevation of 7000 feet.

4. **ADENOSTEMMA**, Forst.

1. *A. viscosum*, Forst. (DC. Prod. v. p. 111, cum syn.)—*A. latifolium*, Don; DC. l. c. p. 112; Wight, Ic. t. 1087. *A. erectum*, DC. l. c. p. 113. *A. reticulatum*, DC. l. c.; Wight, Icon. t. 1088. *A. angustifolium*, Arn. Pug. 29 (347); DC. Prod. vii. p. 266.—c.p. 594.

HAB. Very abundant throughout the island.

5. **LAGENOPHORA**, Cass.

1. *L. Harveyi*, Thw.; *folius* spathulato-oblongis, sinuato-dentatis, plus minus hirsutis; *scapo* folius 2-3-plo longiore; *involucri squamis* lineari-lanceolatis, subglabris; *achænis* 3-serialibus, glabris, margine incrassato, rostro antice glanduloso; *receptaculo* conico.—c.p. 21 (513).

HAB. Central Province, at an elevation of 4000 to 6000 feet, not very uncommon.

The triserial arrangement of the achænia, pointed out to me by my friend Professor W. H. Harvey, when we were examining the plant together in the island, seems sufficient to separate this from the other described species of the genus.

6. **MYRIACTIS**, Less.

1. *M. Wightii*, DC. Prod. v. p. 308; Wight, Icon. t. 1091.—*M. Gmelini*, DC. l. c. p. 309.—An *M. Javanica* et *M. pilosa*, DC. l. c. p. 308?—c.p. 1740.

HAB. Very abundant in the Central Province, at an elevation of 5000 to 8000 feet.

7. **AMPHIRHAPIS**, DC

1. *A. Zeylanica*, DC. Prod. vii. p. 279.—*Solidago Zeylanica*, Arn. Pug. 29 (347).—c.p. 152.

HAB. Abundant throughout the island.

8. **SPHÆRANTHUS**, Vaill.

(Nom. vulg. "Kooda-mahana.")

1. *S. microcephalus*, Willd. (DC. Prod. v. p. 369, cum syn.)—c.p. 1770.

HAB. Common in the warmer parts of the island.

2. *S. hirtus*, Willd. (DC. l. c. cum syn.; Wight, Icon. t. 1094).—c.p. 1769.

HAB. Very abundant on the borders of paddy-fields.

3. *S. amaranthoides*, Burm. (DC. l. c. p. 370, cum syn.; Wight, Icon. t. 1149).—c.p. 1768.

HAB. Not uncommon in the hotter parts of the island.

9. **DICHROCEPHALA**, DC.

1. *D. latifolia*, DC. Prod. v. p. 372, cum syn.; Wight, Icon. t. 1096.—c.p. 1766, 3303.

HAB. Very common in waste places.

10. GRANGEA, Adans.

1. *G. Maderaspatana*, Poir. (DC. Prod. v. p. 373, cum syn.; Wight, Icon. t. 1097.)—C.P. 1767.

HAB. Warmer parts of the island

11. CONYZA, Less

1. *C. Egyptiaca*, DC. Prod. v. p. 382.—*C. semipinnatifida*, Wall.; DC. l. c. *Erigeron hispidum*, DC. l. c. p. 292, cum syn. *E. subulatum*, Roxb.; DC. l. c.—C.P. 1733.

HAB. North of the island, *Gardner*.

2. *C. viscidula*, Wall. (DC. l. c. p. 383.)—*C. Wallichii*, DC. l. c. p. 384, cum syn.—C.P. 1739.

HAB. Central Province, at an elevation of 1000 to 3000 feet.

12. BLUMEA, DC.

1. *B. amplectens*, DC. Prod. v. p. 433, cum syn.—C.P. 1730, 3523

HAB. Hotter parts of the island.

2. *B. arenaria*, DC. l. c. cum syn.—C.P. 1732

HAB. North of the island, *Gardner*

3. *B. barbata*, DC. l. c. p. 434—C.P. 1731

HAB. Central Province, at an elevation of 3000 to 5000 feet.

4. *B. lacera*, DC. l. c. p. 436, cum syn.—*B. Wightiana*, DC. l. c. p. 435, cum syn.; Arn. Pug. 29 (347)—C.P. 1735.

HAB. Very abundant throughout the island, on the borders of paddy-fields, etc

5. *B. hieraciifolia*, DC. l. c. p. 442, Wight, Icon. t. 1099.—C.P. 19, 403.

Var. β ; *caulibus folisque subtus dense villosis*

HAB. Central Province, at an elevation of 4000 to 7000 feet.

Dr. Wight's figure, quoted above, would seem to represent a stunted form or a very early stage of growth of the present, which here usually occurs from 8 to 5 feet or even more in height.

6. *B. crinita*, Arn. Pug. 30 (348); DC. Prod. vii. p. 283.—C.P. 147.

HAB. Adam's Peak and Newera Ellia, *Gardner*.

Closely allied to and very much resembling the preceding species, but apparently quite distinct. I have not seen the plant in a fresh state, my specimens having been collected by Dr Gardner.

7. *B. alata*, DC. Prod. v. p. 448, cum syn., Wight, Icon. t. 1101.—C.P. 551 (683).

HAB. Grassy places, in the Central Province, at an elevation of 4000 to 6000 feet.

8. *B. glandulosa*, DC. l. c. p. 438.—C.P. 1734, 2822.

Var. β ; *subglabra, eglandulosa*.—C.P. 560.

HAB. Common up to an elevation of 4000 feet. Var. β . In damp shady places.

9. *B. myriocephala*, DC. l. c. p. 445.—An *B. grandis*, DC. l. c. p. 447 P.—C.P. 1744 (2557).

HAB. Hantani, in the Central Province, at an elevation of 4000 feet.
Herbacea, 4-6-pedalis. *Folia* ad basin lobulis parvis paucis appendiculata.
Achenis pubescentia.

10. **B. angustifolia**, Thw.; humilis; *foliis* glabris, integris, anguste lanceolatis, obtusiusculis, obscure et remote denticulatis, basi longe cuneatis; *corymbis* oligocephalis; *capitulis* plurifloris pedicellisque plus minus lanato-villosis; *involucris squamis* lineari-lanceolatis, apice fibrillatis, disco parum longioribus; *receptaculo* glabro; *achenis* glabris.—c.p. 691.

HAB. Central Province, at an elevation of 1000 to 3000 feet.

Herbacea, suberecta, pedalis, basi procumbens, ramosa, radicans. *Folia* 1-3 poll. longa, 2-4 lin. lata. *Flosculi* flavi. *Pappus* paucus, albus.

13. EPALTES, Cass.

1. **E. divaricata**, Cass. (DC. Prod. v. p. 461.)—*E. linearifolia*, DC. l. c. *E. pygmaea*, DC. l. c.—c.p. 234.

HAB. Very abundant in the warmer parts of the island. Nom. vulg. "Heen-moodoo-mahana."

14. VICOA, Cass.

1. **V. Indica**, DC. Prod. v. p. 474, cum syn.—c.p. 1757.

HAB. Abundant up to an elevation of 5000 feet.

15. ECLIPTA, Linn.

1. **E. erecta**, Linn. (DC. Prod. v. p. 490, cum syn.)—*E. prostrata*, Linn.; DC. l. c. cum syn. *E. parviflora*, Wall.; DC. l. c.—c.p. 1754.

HAB. Extremely abundant. Nom. vulg. "Keekerindi."

16. BLAINVILLEA, Cass.

1. **B. latifolia**, DC. Prod. v. p. 492, cum syn.—c.p. 1753.

HAB. Not uncommon in waste places.

17. SIEGESBECKIA, Linn.

1. **S. orientalis**, Linn. (DC. Prod. v. p. 495; Wight, Icon. t. 1103.)—c.p. 1752.

HAB. Common in waste places.

18. XANTHIUM, Tourn.

1. **X. strumarium**, Linn. (DC. Prod. v. p. 523, cum syn.)—*X. Indicum*, Roxb.; DC. l. c. cum syn.; Wight, Icon. t. 1104. *X. inaequilaterale*, DC. l. c. cum syn.—c.p. 1771.

HAB. Not uncommon in exposed sandy places.

19. MOONIA, Arn.

1. **M. heterophylla**, Arn. Pug. 31 (349); DC. Prod. vii. p. 289, Var. a; *foliis* simplicibus.—c.p. 1758.

Var. β ; *foliis* 3-5-sectis.—*M. Arnothiana*, Wight, Icon. t. 1105.—c.p. 34.

HAB. Both varieties very abundant at an elevation of 6000 to 8000 feet.

Herbacea. *Achænia* ad apicem obscure bicornuta vel mutica.

20. WEDELIA, Jacq.

1. *W. calendulacea*, Less. (DC. Prod. v. p. 539, cum syn.; Wight, Icon. t. 1107.)—c.p. 1756.

HAB. Not uncommon in the hotter parts of the island, especially near the sea. Nom. vulg. "Ranwan-keekirundi."

21. WOLLASTONIA, DC.

1. *W. biflora*, DC. Prod. v. p. 546, cum syn.; Wight, Icon. t. 1108.—*W. asperima*, DC. l. c. p. 547. *W. scabriuscula*, DC. l. c. cum syn. *W. glabrata*, DC. l. c. p. 548. *W. insularis*, DC. l. c.—c.p. 1760 (1759).

HAB. Common in the hotter parts of the island.

22. BIDENS, Linn.

1. *B. pilosa*, Linn. (DC. Prod. v. p. 597, cum syn.)—*B. Sundaica*, Bl.; DC. l. c. p. 598. *B. Wallichii*, DC. l. c. cum syn.—c.p. 3630.

HAB. A very common plant in cultivated ground. Nom. vulg. "Wal-teekola."

2. *B. decomposita*, Wall. (DC. l. c. p. 602, cum syn. β)—c.p. 3583.

HAB. Batticaloa District, not common

Involucris squamis lineares, ciliatæ *Lagulis* flavæ, brevibus. *Achænia* elongata, 3-4-gona, subglabra vel versus apicem hirsuta, 3-4-aristata

The achænia of *B. decomposita* are described as biaristate, whilst in my plant they are 3-4-aristate, but in other respects there would seem to be but slight difference, if any.

23. SPILANTHES, Jacq.

1. *S. Acmella*, Linn. (DC. Prod. v. p. 623, cum syn.)—*S. Pseudo-Acmella*, Linn.; DC. l. c. p. 625, cum syn. *S. calva*, DC. l. c. cum syn.—c.p. 684.

HAB. Very common in the Central Province, up to an elevation of 6000 feet. Nom. vulg. "Ac-malla."

24. ARTEMISIA, Linn.

1. *A. vulgaris*, Linn. (DC. Prod. vi. p. 112, cum syn.)—*A. Indica*, Willd.; DC. l. c. p. 114, cum syn.; Wight, Icon. t. 1111. *A. leptostachya*, DC. l. c. p. 113. *A. pauciflora*, Stechm.; DC. l. c. p. 102. *A. dubia*, Wall.; DC. l. c. p. 110. *A. Royleana*, Edgw.—c.p. 1755.

HAB. Not uncommon in or near native gardens. Nom. vulg. "Wal-kolondoo."

25. MYRIOGYNE, Less.

1. *M. minuta*, Less. (DC. Prod. vi. p. 139, cum syn.)—c.p. 2715.

HAB. Central Province, not uncommon.

26. GNAPHALIUM, Linn.

1. *G. Indicum*, Linn. (DC. Prod. vi. p. 281; DC. l. c. p. 274.)—c.p. 1762, 1764.

HAB. Very common in the Central Province, up to an elevation of 7000 feet.

Caulis simplex vel ramosus. *Capitula* in glomerulos paucos vel plurimos secus corymbi divisiones sparsos aggregata. *Involucris squamis* albidis vel plus minus roseo-tinctis.

2. *G. marcescens*, Wight, Icon. t. 1115.—c.p. 1765, 3522.

HAB. Central Province, at an elevation of 7000 to 8000 feet.

Folia superne glabra vel araneo-lanosa. *Achænia* (in meis specim.) glabra.

3. *G. Hookerianum*.—*Helichrysum Hookerianum*, W. et A.; DC. l. c. p. 201.—An *H. buddleioides*, DC. l. c. var. ?—c.p. 681.

HAB. Central Province, at an elevation of 6000 to 8000 feet.

Suffruticosum. *Receptaculum* luteo-glandulosum.

4. *G. Wightianum*, Wall. Cat. 2940.—*Anaphalis Wightiana*, DC. l. c. p. 273; Wight, Icon. t. 1117.—c.p. 528, 132, 568, 1763.

HAB. Central Province, at an elevation of 6000 to 8000 feet.

Suffruticosum. *Folia* lineari-oblonga, sæpe spathulata, late sessilia, superne subglabra vel plus minus lanuginosa, subtus dense cano-lanuginosa vel rarius subglabra.

Dr. Wight's figure, quoted above, so well represents a common form of this variable species, except that the capitula are somewhat larger in my specimens than shown in that figure, that there can be little doubt, I think, of the two plants being identical.

5. *G. brevifolium*.—*Anaphalis brevifolia*, DC. l. c. p. 273.—An *A. Neilgherriana*, DC. l. c. p. 272, et Wight, Icon. t. 478?—c.p. 1761.

HAB. Horton Plains and other of the most elevated parts of the Central Province.

27. GYNURA, Cass.

1. *G. lycopersicifolia*, DC. Prod. vi. p. 300, cum syn.—c.p. 420, 2826 (1750).

HAB. Very abundant up to an elevation of 5000 feet. Nom. vulg. "Kadoo-pāra."

2. *G. Nepalensis*, DC. l. c. cum syn.—c.p. 3539.

HAB. Galagama, at an elevation of 3000 feet.

3. *G. hispida*, Thw.; herbacea, subcarnosa, pilis flavis hispida; caule simplice vel parce ramoso, basi folioso; foliis obovato-lanceolatis, plus minus sinuato-dentatis, inferioribus in petiolum angustatis; achæniis glabris.—c.p. 3507.

HAB. On damp rocks, in the Central Province, at an elevation of 5000 to 7000 feet.

1-8-pedalis. *Folia* 2-6 poll. longa, $\frac{1}{2}$ - $\frac{3}{4}$ poll. lata. *Capitula* 3-6, longe pedicellata, pluriflora, parce villosa. *Involucrum* flosculis flavo-aurantiacis parum brevius, bracteolis numerosis lineari-lanceolatis vix duplo longius.

Apparently very closely allied to *G. aurantaca*, DC. (*Cacalia aurantiaca*, Blume).

28. *EMILIA*, Cass.

1. *E. sonchifolia*, DC. Prod. vi. p. 302, cum syn.—c.p. 3343.

HAB. Very abundant. Nom. vulg. "Kadoo-pāra."

An extremely variable plant as regards the shape of the leaves.

2. *E. prenanthoides*, DC. l. c. p. 303, cum syn.—*E. angustifolia*, DC. l. c. cum syn.—An *E. scabra*, DC. l. c. ?—c.p. 430 (444, 581, 670).

HAB. Central Province, at an elevation of 6000 to 8000 feet.

Folia caulina cordato-sagittata, anguste lanceolata, vel rarius oblonga subultrataque, glabra vel (præcipue subtus) puberula. *Flosculi* purpurei

29. *DORONICUM*, Linn.

1. *D. Walkeri*, Arn. Pug. 32 (350); DC. Prod. vi. p. 322.—c.p. 151 (688).

HAB. Central Province, at an elevation of 5000 to 7000 feet.

$\frac{1}{2}$ –3-pedale, plus minus pilosum. *Folia* oblonga, sessilia vel in petiolum longum basi sæpius appendiculatum angustata, dentata vel pinnatipartita, 1–6 poll. longa, $\frac{1}{4}$ –2 poll. lata

A most variable plant, the extreme forms of which, in the absence of the intermediate ones, it would be difficult to believe specifically identical.

2. *D. Gardneri*, Thw.; glabrum; caule adscendente, folioso; foliis lineari-lanceolatis, distanter grosse serratis, basi angustatis; ligulis 4-nerviis; acheniis pilosulis.—c.p. 435 (459).

HAB. Ambagamowa District, at an elevation of 3000 to 5000 feet.

$\frac{1}{2}$ –2-pedale. *Folia* 1–3 $\frac{1}{2}$ poll. longa, 2–4 lin. lata, subtus pallidiora. *Achæna* albida.

In the characters of the inflorescence, this very closely resembles the preceding species, but the very narrow smooth leaves seem sufficient to keep it distinct.

30. *SENECIO*, Less.

1. *S. corymbosus*, Wall. (DC. Prod. vi. p. 364; Wight, Icon. t. 1130.)—c.p. 565.

Var. β .—*S. Walkeri*, Arn.; DC. l. c.; Wight, Icon. t. 1131.—c.p. 272.

HAB. Central Province, not uncommon. Var. α . At an elevation of 7000 to 8000 feet.

An examination of numerous specimens has proved to me that the characters which have been employed to separate varr. α and β as distinct species, are by no means constant, so that I have no hesitation in uniting them.

2. *S. Walkeri*, Thw. (non Arn.; vide sp. præc. var. β).—*Gynura Walkeri*, Wight, Icon. t. 1122.—c.p. 533.

HAB. Central Province, at an elevation of 7000 to 8000 feet.

This appears to be a true species of *Senecio* it has not the styles of *Gynura*. The flowers are of a pale-yellow colour.

3. *S. Zeylanicus*, DC. l. c. p. 365.—*S. gracilis*, Arn. Pug. 31 (340).—An *S. Neilgherrianus*, DC. l. c. p. 368, var. ?—c.p. 1749.

HAB. Amongst high grass, at Newera Ellia and other of the most elevated parts of the island.

4. *S. Wightianus*, DC. l. c. p. 370, cum syn.; Wight, Icon. t. 1136.—c.p. 1751.

HAB. Common in the Maturatte and other districts of the Central Province.

Folia (in meis specim.) sæpissime ad basin pinnatim 2-4-lobata.

31. NOTONIA, DC.

1. *N. grandiflora*, DC. Prod. vi. p. 442, cum syn.—*N. corymbosa*, DC. l. c.; Wight, Icon. t. 484.—c.p. 1743.

HAB. Batticaloa District.

32. BRACHYRAMPHUS, DC.

1. *B. sonchifolius*, DC. Prod. vii. p. 177, cum syn.—*B. Heyneanus*, Wight, Icon. t. 1146. *Lactuca Heyneana*, DC. l. c. p. 140, cum syn.—c.p. 2827.

HAB. Galle, *Gardner*.

33. MICRORHYNCHUS, Less.

1. *M. sarmentosus*, DC. Prod. vii. p. 181, cum syn.; Wight, Illust. t. 133.—c.p. 1746.

HAB. Common near the seashore.

34. SONCHUS, Linn.

1. *S. oleraceus*, Linn.—c.p. 3631.

HAB. A very common weed in the Central Province, in newly-cleared ground.

35. YOUNGIA, Cass.

1. *Y. lyrata*, Cass. Opusc. iii. p. 86.—*Y. Mauritiana*, *Y. Thunbergiana*, *Y. runcinata*, *Y. napifolia*, *Y. Poosia*, *Y. striata*, et *Y. ambigua*, DC. Prod. vii. pp. 192, 193, cum syn. *Y. napifolia*, Wight, Icon. t. 1147.—c.p. 1747.

HAB. Very common in the Central Province, etc., up to an elevation of 5000 feet.

2. *Y. fuscipappa*, Thw.; glabra; *caulibus* sæpe e collo plurimis, erectis, parce foliosis; *foliis radicalibus* linearilanceolatis, acutis, runcinatis, in petiolum longum angustatis; *caulinis* summis linearibus; *corymbis* apertis.—c.p. 1748.

HAB. Central Province, at an elevation of 5000 feet.

1-2-pedalis. *Folia* 4-8 poll. longa, $\frac{1}{2}$ - $\frac{3}{4}$ poll. lata. *Involucra* 3 lin. longa, minute bracteolata. *Achæna* fusiformia, parce compressa, puberula, striata. *Pappus* pallide fuscus.

LXXXV. STYLIDIEÆ.

1. STYLIDIUM, Sw.

1. *S. uliginosum*, Sw. (DC. Prod. vii. p. 336.)—c.p. 2505.

HAB. South of the island.

LXXXVI. GOODENOVIÆ.

1. SCÆVOLA, Linn.

(Nom. vulg. "Taccāda.")

1. *S. Koenigii*, Vahl, (DC. Prod. vii. p. 505, cum syn.; Hook. fil. et T. Præcur. ad Fl. Ind. in Linn. Soc. Journ. (Bot.) ii. p. 8, cum syn. seq.)—*S. Bela-Modagam*, R. & S.; DC. l. c. *S. Taccada*, Roxb. DC. l. c.; Wight, Illust. t. 137. *S. sericea*, Forst.; DC. l. c. 506. *S. Lambertiana*, De Vriese; Walp. Ann. ii. p. 1056. *S. chlorantha*, De Vriese; Walp. l. c.—C.P. 3632.

HAB. Very abundant between Colombo and Galle, and other parts of the coast.

2. *S. Plumieri*, Vahl, (DC. l. c. p. 506, cum syn.; Hook. fil. et T. l. c. cum syn. seq.)—*S. Thunbergii*, Eck. et Zeyh.; DC. l. c. *S. Senegalensis*, Presl; DC. l. c. *S. uvifera*, Stocks; Wight, Ic. t. 1613. *S. Macraei*, De Vriese (fide Auct.); Walp. l. c.—C.P. 1777.

HAB. Near Colombo, and other parts of the coast.

LXXXVII. CAMPANULACEÆ.

TRIBE I CAMPANULÆ

1. WAHLENBERGIA, Schr.

1. *W. agrestis*, A. (DC. Prod. vii. p. 434; Wight, Icon. t. 1175; Hook. fil. et T. Linn. Soc. Journ. (Bot.) ii. p. 21, cum syn. seq.)—*W. dehiscens*, A. DC. l. c. *W. Indica*, A. DC. l. c.; Wight, Icon. t. 1176.—C.P. 1774.

HAB. Very abundant in grassy places in the Central Province, at an elevation of 4000 to 7000 feet.

2. CAMPANULA, Linn.

1. *C. fulgens*, Wall. in Roxb. Fl. Ind. ii. p. 99; DC. Prod. vii. p. 477; Wight, Icon. t. 1179; Illust. t. 136.—C.P. 1775.

HAB. Central Province, at an elevation of 5000 to 7000 feet, but not common.

TRIBE II. LOBELIÆ.

3. LOBELIA, Linn.

1. *L. trigona*, Roxb. (DC. Prod. vii. p. 359; Wight, Icon. t. 1170.)—An *L. affinis*, Wall.; DC. l. c. p. 360? An *L. trialata*, Ham.; DC. l. c. P.—C.P. 1776, 2981.

HAB. Abundant throughout the island.

A most variable plant, and I have been unable to find sufficiently constant characters in any of its forms to justify my separating them as distinct species; nor have I ever met with specimens in which the stem, when in a fresh state, was not more or less triangular.

2. *L. sceolas*, Lesch. (DC. l. c. p. 381, cum syn.; Wight, Icon. t. 1173, 1174.)—*L. nicotianefolia*, Heyne; DC. l. c. cum syn.; Wight, Illust. t. 135. *L. aromatica*, Moon's Cat.; Wight, Icon. t. 1172.—C.P. 2592 (529, 531, 548).

HAB. Central Province, at an elevation of 4000 to 7000 feet; abundant at Newera Ellia and Maturatte. Nom. vulg. "Ras-nee."

The forms of this plant, which have been raised by some authors to the rank of species, merge so insensibly into one another, that I feel obliged to include them all under one specific name. The amount of pubescence upon the several parts, as well as the relative length of the calyx-lobes, are very variable, and I have found in the same raceme some pedicels with indications of the two minute bracteolæ, and others without the slightest trace of those appendages, and which latter seem to have their fullest development in plants of the most luxuriant growth.

LXXXVIII. SPHENOCLEACEÆ.

1. SPHENOCLEA, Gærtn.

1. *S. Pongatium*, DC. Prod. vii. p. 548, cum syn.; Wight, Illust. t. 138.—C.P. 1773.

HAB. Warmer parts of the island; not uncommon.

LXXXIX. VACCINIEÆ

1. VACCINIUM, Linn.

1. *V. Leschenaultii*, Wight, Icon. t. 1188; Walp. Ann. i. p. 477.—*Agapetes? arborea*, DC. Prod. vii. p. 555, cum syn.—C.P. 270 (643).

Var. β ; *foliis lanceolatis vel ovato-lanceolatis; floribus pallidioribus.*—*Agapetes salicifolia*, Gardn. MSS.

HAB. Newera Ellia and other of the most elevated parts of the Central Province.

XC. ERICACEÆ.

1. GAULTHERIA, Kalm.

1. *G. fragrantissima*, Wall. (DC. Prod. vii. p. 593, cum syn.; Wight, Icon. t. 1196.)—C.P. 42.

Var. β ; *ramulis foliisque subtus plus minus hispidis.*—*G. Leschenaultii*, DC. l. c.; Wight, Icon. t. 1195; Wight, Illust. t. 141 C.—C.P. 1790.

HAB. Central Province, at an elevation of 7000 to 8000 feet. Nom. vulg. "Kappooroo."

Folia elliptica vel oblongo-lanceolata, obtusa vel acuta, basi angustata, rotundata vel cordata. *Fructus* pulcherrime purpureo-cyanei.

2. RHODODENDRON, Linn.

1. *R. arboreum*, Sm. (DC. Prod. vii. p. 720, cum syn.; Wight, Icon. t. 1201; Wight, Illust. t. 140.)—C.P. 149 (521).

HAB. Central Province, at an elevation of 5000 to 8000 feet. Nom. vulg. "Ma-ratmal-gass."

Folia subtus cano- vel pallide fulvo-lepidota.

XCI. LENTIBULARIÆ.

1. UTRICULARIA, Linn.

1. *U. flexuosa*, Vahl, En. Pl. i. 199; Oliver in Linn. Soc. Journ. (Bot.) iii. p. 175, cum syn. seq., scil.: *U. fasciculata*, Roxb. Fl. Ind. i. p. 143; Wall. Cat. 1499; Wight, Icon. t. 1568. *U. inaequalis*, Benjamin in Linnaea, xx. p. 304. *U. ramosa*, Vahl?—c.p. 2089.

HAB. Common in the warmer parts of the island.

2. *U. diantha*, Rœm. et Sch. (non A. DC. Prod. viii. p. 21); Oliver, l. c. p. 176, cum syn. seq., scil.: Wight, Icon. t. 1569. *U. biflora*, Roxb. Fl. Ind. i. p. 43. *U. Roxburghii*, Spr. Syst. i. p. 52. *U. elegans*, Wall. Cat. 1502. *U. pterosperma*, Edgew. in Proc. Lin. Soc. i. 352.—c.p. 2828.

HAB. Not uncommon in wet paddy-fields.

3. *U. cœrulea*, Linn. Herb. (non A. DC. Prod. viii. p. 19); Oliver, l. c. p. 179, cum syn., scil.: *U. pedicellata*, Wight, Icon. t. 1578. f. 2. *U. conferta*, Wight, Icon. t. 1575. *U. squamosa*, Wight, Icon. t. 1579. *U. uliginoides*, Wight, Icon. t. 1573.—c.p. 278 (2086).

Var. β . *affinis*; *scapo* robustiore, *floribus* minoribus, *calyce fructifero* latiore.—*U. affinis*, Wight, Icon. t. 1580. f. 1; Oliver, l. c. p. 178. *U. brachypoda*, Wight, Icon. t. 1578. f. 1.—c.p. 3308.

HAB. Central Province, at an elevation of 5000 to 8000 feet.

4. *U. reticulata*, Linn. (A. DC. Prod. viii. p. 19, cum syn.; Wight, Illust. ii. t. 143; Oliver, l. c. p. 180, cum syn. seq.)—*U. spiricaulis*, Miq. Pl. Hohen. 574.—c.p. 2090 (2091).

Var. β . *stricticaulis*; *scapo* firmo, brevior.—Oliver, l. c. cum syn. seq., scil.: *U. cœrulea*, var. *stricticaulis*, Kœn. in Hb. Brit. Mus. *U. uliginosa*, Vahl, En. Pl. i. 203. *U. humilis*, Heyne, Wall. Cat. 1495. *U. polygaloides*, Edgew. l. c. p. 351.—c.p. 2088.

HAB. Common in the hotter parts of the island. Nom. vulg. "Nil-monerasse."

5. *U. bifida*, Linn. Herb.; Oliver, l. c. p. 182, cum syn. seq., scil.: *U. biflora*, Wall. Cat. 1498. *U. antirrhinoides*, ejusd. 1498 b. *U. diantha*, A. DC. l. c. p. 21. *U. Wallichiana*, Benj. Bot. Zeit. 1845, 218. *U. humilis*, Wight, Icon. t. 1572. f. 2 (? Vahl.)—c.p. 2087.

Var. β . *Wallichiana*; *pedicellis* longioribus; *lobis calycinis* acutis.—*U. Wallichiana*, Wight, Icon. t. 1572. f. 1; Oliver, l. c.

HAB. Warmer parts of the island, common.

In my specimens of this plant, varr. α and β appear to merge insensibly into one another.

6. *U. capillacea*, Wight, Herb.; Wall. Cat. 6399; Oliver, l. c. p. 184.—c.p. 3307.

HAB. Near Colombo, Mr. W. Ferguson. Negumbo.

Corolla purpurea; *labio inferiore* 3-lobato, *lobis* lateralibus multo minoribus ambibus apice rotundatis; *calcare* lineari-conico, longiore, porrecto. *Lobi calycis fructiferi* subæquales, orbiculares,

7. *U. racemosa*, Wall. Cat. 1496; Wight, Icon. 1864, f. 1; Oliver, l. c. p. 186.—*U. cœrulea*, A. DC. l. c. p. 19. An *U. filicaulis*, Wall. Cat. 1501; Oliver, l. c. p. 186.—c.p. 2085.

Var. *β. rosea*; *scapo* robustiore; *corollæ* labio inferiore majore et calcar obtusiusculum æquante vel superante.—*U. rosea*, Edgw. l. c. p. 352; Oliver, l. c. p. 184.—c.p. 277.

HAB. Var. *α*. Warmer parts of the island. Var. *β*. At an elevation of 5000 to 6000 feet.

The points of difference between varr. *α* and *β* are so unimportant that I feel quite satisfied that they are merely forms of one species. The colour of the corolla varies from a rather deep reddish-purple to nearly white: the flowers of var. *α* are most frequently pale in colour.

8. *U. orbiculata*, Wall. Cat. 1500; Oliver, l. c. p. 187.—*U. glochidiata*, Wight, Icon. t. 1581.—c.p. 2085, 3359.

HAB. Common on wet rocks and mossy trunks of trees in the Central Province, at an elevation of 4000 to 6000 feet.

XCII. PRIMULACEÆ.

1. LYSIMACHIA, Linn

1. *L. ramosa*, Wall. Cat. 1490; Duby in DC. Prod. viii. p. 65.—*L. alata*, Gardner, MS.—c.p. 1896.

HAB. Central Province, in shady places, at an elevation of 6000 to 8000 feet.

Glabra, 2–4-pedalis. *Caulis* erectus, alatus, ramosus. *Folia* 1½–6 poll longa, ½–1½ lata, in *petiolum* brevem angustata. *Pedunculi* sesquipollicares. *Calycis* laciniae (acumine 1 lin) 3 lin. longæ. *Corolla* pallide lutea. *Capsula* 5-valvis, calyce subæquilonga. *Semina* triangularia, minute muricata.

2. *L. Japonica*, Thunb. Fl Japon. 83. t 16 —*L. deltoidea*, Wight, Illus. ii. p. 137. t. 144. *L. umbrosa*, Gardner, MS.—c.p. 1895.

HAB. Newera Ellia and Maturatte, at an elevation of 6000 to 7000 feet.

2. ANAGALLIS, Tourn.

1. *A. arvensis*, Linn.—Var. *β cœrulea*.—c.p. 3131.

HAB. Oova District (possibly introduced).

XCIII. MYRSINACEÆ.

1. MÆSA, Försk.

1. *M. Indica*, A. DC. Prod. viii. p. 80, cum syn.; Wight, Icon. t. 1206.—c.p. 1799.

HAB. Very abundant up to an elevation of 5000 feet. Nom. vulg. "Matabimbeya-gass."

2. EMBELIA, Burm.

1. *E. Ribes*, Burm. (A. DC. Prod. viii. p. 85).—c.p. 1800.

HAB. Common up to an elevation of 4000 feet. Nom. vulg. "Wel-ambilla."

2. *E. robusta*, Roxb. Fl. Ind. ii. p. 287; A. DC. Prod. viii. p. 86.—*E. Tyjeriam Cottam*, Wight, Icon. t. 1299. *Basaal*, Rheede, Hort. Mal. v. p. 23. t. 12. An *Tyjeriam Cottam*, Rheede, l. c. p. 21. t. 11?—C.P. 1804.

HAB. Kornegalle and Batticaloa Districts.

3. SAMARA, Linn. Herb.

Choripetalum, A. DC.

1. *S. viridiflora*, Thw.—*S. Rheedei*, Wight, Icon. t. 1591. *Choripetalum viridiflorum*, A. DC. Prod. vin. p. 88. *Pu Walli*, Rheede, Hort. Mal. vii. p. 79. t. 42. An *C. aurantiacum*, A. DC. l. c. var. ?—C.P. 610 (741).

HAB. Central Province, at an elevation of 3000 to 5000 feet.

Flores polygamo-dioici. MASC. *Filamenta* petalis multum longiora. *Ovaria rudimentum* parvum, *stilo* brevissimo. FEM. *Ovarium* 3-ovulatum.

4. MYRSINE, Linn.

1. *M. capitellata*, Wall. in Roxb. Fl. Ind. ii. p. 295; A. DC. Prod. viii. p. 94. An *M. lucida*, Wall.; A. DC. l. c. p. 95?—C.P. 1806 (2599).

Var. *β. parvifolia*, A. DC. l. c., et var. *γ grandiflora*, A. DC. l. c.; Wight, Icon. t. 1211. An *M. umbellata*, A. DC. l. c. ?—C.P. 623, 3009, 2598.

Var. *δ. sessiliflora*; *floribus sessilibus* vel subsessilibus.—An *M. Porteriana*, Wall. List, 6525; A. DC. l. c. ?—C.P. 285.

HAB. Central Province, very abundant up to an elevation of 8000 feet.

So variable is this plant as regards the shape and size of the leaves and length of the flower-pedicels, that some of its forms might well pass for distinct species, but that intermediate ones occur rendering it impossible to separate them. Some of my specimens have leaves varying from $\frac{3}{4}$ to $1\frac{1}{2}$ inch in length, whilst other specimens have them reaching to 7 inches, with a corresponding width; the former occurring upon the tops of the highest hills, and the latter in damp rich forests.

5. ARDISIA, Linn.

1. *A. paniculata*, Roxb. Fl. Ind. ii. p. 270; A. DC. Prod. viii. p. 126.—*A. Missionis*, var. *β verticillata*, A. DC. l. c. p. 130. *A. Courtalensis*, Wight, Icon. t. 1215.—C.P. 1802.

HAB. Central Province, not uncommon up to an elevation of 3000 feet.

2. *A. humilis*, Vahl, Symb. iii. p. 40; A. DC. l. c. p. 129 (in parte).—*Tinus humilis*, Burm. Fl. Zeyl. p. 222. t. 103.—C.P. 2820.

HAB. Near the seashore, Galee District, common. Nom. vulg. "Loonoo-dang-gass."

Frutex 1-6-pedalis. *Folia* ad apices ramulorum compressorum aggregata. *Paniculae* terminales. *Drupa* rubra.

Well distinguished from the next species, with which it has been confounded, by its leaves clustered at the ends of the branchlets, its terminal panicles, and bright-red fruit.

3. *A. elliptica*, Thunb. nov. gen. para 8. Upsal, 1796, ex Rosm. et Sch. Syst. iv. p. 517; A. DC. l. c. p. 138.—*A. umbellata*, Roxb. Fl. Ind. ii. p. 273. *A. polycephala*, Wall.; Wight, Illustr. t. 145.—c.p. 1808.

Var. β . *solanacea*; omnino major.—*A. solanacea*, Roxb. Pl. Cor. i. t. 27. *A. humilis*, Wight, Icon. t. 1212; A. DC. l. c. p. 129 (in parte).

HAB. Var. α . Not uncommon in the warmer parts of the island. Var. β . In gardens, and I have never found it in a wild state. Nom. vulg. "Balloo-dang."

Racemi axillares terminalesque, umbellaeformes, *pedunculo* rarius ramoso

4. *A. pauciflora*, Heyne, (Wall. in Roxb. Fl. Ind. ii. p. 279; A. DC. l. c. p. 127; Wight, Icon. t. 1214)—c.p. 15 (28, 36).

HAB. Central Province, up to an elevation of 7000 feet.

In all my specimens the pedicels are smooth, or, when young, ferrugineo-squamulose, and not pilose, as represented in Dr Wight's figure.

5. *A. divergens*, Roxb. Fl. Ind. ii. p. 275; A. DC. l. c. p. 130, cum syn.—c.p. 376 (740).

Var. β ; *foliis* sinuato-denticulatis—An *A. crispa*, var. β , A. DC. l. c. 134, cum syn.?

HAB. Not uncommon in damp forests, up to an elevation of 5000 feet.

Frutex erectus, 3-6-pedalis. *Folia* membranacea, venosa, ad marginem creberrime tuberculato-glandulosa, 3-6 poll longa, 1-3 poll lata. *Flores* roseo-purpurei. *Drupa* rubra, 3-4 lin in diam

6. *A. Wallichii*, A. DC. l. c. p. 137, cum syn.—c.p. 2667.

HAB. Cultura, Moon. Damp shady forests in the Saffragam District.

Suffrutex humilis, $\frac{1}{2}$ -2-pedalis, partibus junioribus ferrugineo-lepidotis. *Folia* oblonga vel obovata, abrupte obtuse acuminata, crenulata, venosa, basi angustata, nigro-viridia, subius rufescentia, 4-8 poll longa, $1\frac{1}{2}$ -3 poll lata. *Racemi* rubri, terminales axillaresque, saepius multiflori simplicesque, folio breviores. *Pedunculi* angulares. *Pedicelli* sparsi, sursum incrassati, reflexi, flore subduplo longiores. *Corolla* rosea, lacinus $\frac{1}{2}$ lin longis. *Antherae* flavae. *Drupa* rubra, 4 lin. in diam

XCIV. ÆGICERACEÆ

1. ÆGICERAS, Gärtn.

1. *Æ. majus*, Gärtn. (A. DC. Prod. viii. p. 142, cum syn.; Wight, Illustr. ii. p. 141 t. 146.)—c.p. 1796 (1805).

HAB. Not uncommon on the coast.

XCV. SAPOTACEÆ.

1. CHRYSOPHYLLUM, Linn.

1. *C. Roxburghii*, G. Don, (A. DC. Prod. viii. p. 162.)—*C. acuminatum*, Roxb. Fl. Ind. ii. p. 345.—c.p. 2689.

HAB. Not uncommon in the warmer parts of the island. Nom. vulg. "Lawooloo-gass."

Folia oblonga, abrupte rostrato-acuminata, 3-7 poll. longa, $\frac{1}{2}$ -2 poll. lata; *petiolo* 3 lin. longo. *Nuculanis* obscure pentagonis, ferrugineo-tomentosis, denique glabris. *Semina* 8 lin. longa, 4 lin. lata.

The ripe fruit is eaten by the Cinghalese: the timber is used for building purposes.

2. SAPOTA, Plum.

1. *S. elengoides*, A. DC. Prod. viii. p. 176; Wight, Icon. t. 1218.—C.P. 1795.

HAB. Hot, drier parts of the island.

3. MIMUSOPS, Linn.

1. *M. Elengi*, Linn. (A. DC. Prod. viii. p. 202, cum syn.; Wight, Icon. t. 1586.)—C.P. 1794.

HAB. Warmer parts of the island. Nom. vulg. "Moonemal-gass."

The timber used for building, etc.

2. *M. Indica*, A. DC. l. c. p. 205, cum syn.; Wight, Icon. t. 1587.—C.P. 1793.

HAB. Very abundant in the hot, drier parts of the island. Nom. vulg. "Paloo-gass."

The timber of this valuable tree is extremely hard and strong, and very durable

4. BASSIA, Koenig.

Calyx 4-partitus. *Corolla* 6-12-loba. *Antheræ* subsessiles, 2-3-seriales.

1. *B. longifolia*, Linn. (A. DC. Prod. viii. p. 197, cum syn.; Wight, Illust. ii. t. 147.)—C.P. 1797.

HAB. Common in the hotter parts of the island, especially in native gardens. Nom. vulg. "Mee-gass."

The oil of the seeds, under the name of "Mee-tel," is used by the Cinghalese medicinally, and, when fresh, for cooking. The wood is valuable for building purposes

5. DASYAULUS, Thw. (gen. nov.).

Calyx 4-partitus. *Corolla* 6- vel 8-loba. *Antheræ* corollæ lobis duplo numerosiores, subsessiles, 1-seriales, apice subulato-acuminatæ. Ceteroquin ut in *Bassia*.

1. *D. nerifolius*, Thw. (*Bassia nerifolia*, Moon's Cat. p. 36); *foliis* glabris, anguste oblongo-lanceolatis, obtusis, basi in petiolum brevem angustatis.—C.P. 235.

HAB. Common on the banks of rivers and streams in the warmer parts of the island. Nom. vulg. "Gang-mee."

Arbor mediocris. *Folia* 3-8 poll. longa, 6-12 lin. lata. *Fasciculi* 2-6-flori, versus apices ramulorum conferti. *Pedicelli* glabri, sesquipollicares. *Calyx* 4 lin. longus, lobis interioribus dorso sericeo-strigosus. *Corolla* ad medium 6-partita. *Ovarium* 6-loculare. *Nuculanis* oblonga, acuta, 1-sperma, $1\frac{1}{2}$ poll. longa. *Semina* albuminosa.

2. *D. microphyllus*, Thw.—*Bassia microphylla*, Hook. Ic. i. t. 74.

B. parvifolia, A. DC. l. c. p. 198.—C.P. 2848; foliis majoribus, cæp.
2850.

HAB. South of the island, not common.

Corolla 6-loba, rarius 5-loba.

My specimens, numbered C.P. 2830, were collected by Dr. Gardner near Galle, and have leaves a good deal larger than is usual in this species, but agree so well with it in other respects that I hesitate to separate them even as a distinct variety.

3. *D. Moonii*, Thw.; ramulis junioribus fulvo-tomentosis; foliis glabris, oblongis, obtuse acuminatis vel retusis, basi subacutis, petiolatis; pedicellis petiolo subæquilongis.—C.P. 3434.

HAB. Cultura, Moon; near Ratnapoora.

Folia 8-7 poll. longa, 1½-3 poll. lata; petiolo ½-¾ poll. longo Fasciculi 2-5-flori. Corolla 6-loba. Nuculana oblonga, acuta, 1½ poll. longa. Semina parca albuminosa.

4. *D. fulvus*, Thw.; ramulis foliisque junioribus dense fugaci-fulvo-tomentosis; foliis obovato-oblongis, abrupte brevi-acuminatis, basi angustatis, petiolatis; pedicellis petiolo subduplo longioribus.—C.P. 3446.

HAB. Hewessee, in the Pasdoon Corle.

Arbor mediocris. Folia 4-7 poll. longa, 1½-3 poll. lata, petiolo ¾ poll. longo. Fasciculi 6-8-flori. Calyx 3-4 lin. longus. Ovarium 6-loculare.

To the present genus is to be referred *Isonandra polyandra*, Wight, Ic. t. 1589.

6. DICHOPSIS, Thw. (gen. nov.).

Calyx 6-partitus, lobis 2-serialibus. Corolla 6-loba. Stamina 12, omnia fertilia. Filamenta brevia, 1-serialia, alterna longiora (corollæ lobis opposita) antheras subextrorsas, breviora (vix ulla) subintrorsas gerentia. Antheræ apice divaricato-bicornes. Ovarium 6-loculare.

Genus notabile, quoad stamina breviora *Dasyaulo*, longiora *Isonandra* approximans.

1. *D. petiolaris*, Thw.—C.P. 3012.

HAB. Ambagamowa District, and the Hinidoon and Reigam Corles.

Arbor magna. Folia glabra, ovata, subabrupte brevi acuminata, basi acuta, 3-5 poll. longa, 1½-3 poll. lata; petiolo 1-1½ poll. longo. Fasciculi 2-5-flori, axillares, ad apices ramulorum conferti, fulvo-tomentosi. Pedicelli petiolo subæquilongi. Calyx 4 lin. longus. Corolla albida, 7 lin. longa, tubo interne pilosa. Nuculania subsphærica, 1-sperma, 1½ poll. in diam.

7. ISONANDRA, Wight.

Calyx corollæ lobis isomerus; stamina iisdem duplo numerosiora. Filamenta corollæ tubo subæquilonga. Antheræ extrorsæ, apice acuminatæ. Nuculania carnosa.

Sect. 1. Calyx 6-partitus.

1. *I. grandis*, Thw.; foliis glabris (junioribus cano-sericeis) obovatis, obtusis, abrupte brevi-acuminatis vel rotundatis, basi cuneatis, subtus prominentim venosis, petiolatis; pedicellis petiolo subæquilongis.—C.P. 619 (2507); foliis minoribus, C.P. 2402.

HAB. Central Province and Saffragam District, at an elevation of 3000 to 6000 feet. Nom. vulg. "Meeria-gass."

Arbor ingens. Folia 2-10 poll. longa, 1-6 poll. lata, *petiolo* $\frac{1}{2}$ -1 poll. longo, superne plano. *Fasciculi* 4-6-flori, ad apices ramulorum conferti, adpresse fulvo-pilosi. *Calyx* 3-4 lin. longus. *Corolla* albida, calycis subduplo longior. *Ovarium* 6-loculare. *Nuculania* ovoidea, nigro-purpurea, aequipollicaria. *Semina* exalbuminea.

An oil is extracted from the seeds of this tree, which is used in the same way as that from the *Bassia longifolia*.

2. *I. rubiginosa*, Thw.; *foliis* coriaceis, ellipticis, obovatis vel obovato-oblongis, apice subacutis vel rotundatis, basi angustatis, subtus dense rubiginoso-pilosis, petiolatis; *pedicellis* petiolo aequilongis vel 2-3-plo longioribus.—C.P. 394, 3447.

HAB. Saffragam District and Hinidoon Corle, up to an elevation of 4000 feet.

Arbor ingens. Folia 2 $\frac{1}{2}$ -7 poll. longa, 1 $\frac{1}{2}$ -3 poll. lata, *petiolo* $\frac{1}{2}$ - $\frac{3}{4}$ poll. longo, superne convexo. *Fasciculi* 6-10-flori, adpresse rubiginoso-pilosi. *Calyx* 4 lin. longus. *Ovarium* 6-loculare. *Nuculania* ovoidea

3. *I. canaliculata*, Thw.; *foliis* glabris, oblongis, brevi-acuminatis, basi rotundatis vel subacutis, superne ad costam (cum *petiolo* longiusculo) canaliculatis; *pedicellis* petiolo aequilongis vel dimidio longioribus.—C.P. 3473 (3436).

HAB. Cultura District.

Arbor mediocris. Folia 3-11 poll. longa, 1 $\frac{1}{2}$ -4 $\frac{1}{2}$ poll. lata, *petiolo* 1-1 $\frac{1}{2}$ poll. longo. *Fasciculi* 4-6-flori, adpresse fulvo-pilosi. *Calyx* 4 lin. longus. *Ovarium* 6-loculare. *Nuculania* ovoidea.

4. *I. pauciflora*, Thw.; *foliis* glabris, oblongis, brevi-acuminatis, basi acutis, superne ad costam (cum *petiolo* longiusculo) canaliculatis; *fasciculis* ad apices ramulorum paucis, 2-3-floris; *pedicellis* brevissimis, ovario 3-4-loculari; *nuculanis* oblongis.—C.P. 2680.

HAB. Near Ratnapoora, at no great elevation.

Arbor mediocris. Folia 3-8 poll. longa, 1-3 poll. lata, *petiolo* $\frac{1}{2}$ -1 poll. longo. *Calyx* 1 $\frac{1}{2}$ lin. longus.

5. *I. laevifolia*, Thw.; *ramulis* cum *petiolis fasciculisque* adpresso fusco-pilosis; *foliis* glabris, utrinque laevibus nitidisque, oblongo-lanceolatis, obtusis, basi in petiolum brevem, superne convexum, angustatis; *pedicellis* petiolo aequilongis, vel parum longioribus; *nuculanis* oblongis, acutis.—C.P. 2832.

HAB. Saffragam District and Reigam Corle, at no great elevation.

Arbor mediocris. Folia 2-6 poll. longa, $\frac{3}{4}$ -2 poll. lata, *petiolo* 2-3 lin. longo. *Fasciculi* 4-6-flori, axillares, ad apicem ramulorum solitarii vel bini. *Calyx* 1 $\frac{1}{2}$ lin. longus. *Anthera* apice pilosæ. *Ovarium* 6-loculare.

Sect. 2. *Calyx* 4-partitus.

6. *I. Wightiana*, A. DC. l. c. p. 187, cum syn.—*I. Perottetiana*, A. DC. l. c. p. 188; Wight, Ic. t. 1219. *I. Candolleana*, Wight, Ic. t. 1220. An *I. lanceolata*, Wight, Ic. t. 359?—C.P. 45 (47, 192, 2411).

Var. β . *angustata*; *foliis* lanceolatis, ab infra-medio versus apicem angustatis, subtus (ut in var. α) delicatule subparallelim ventulosis.—C.P. 179 (191).

Var. γ . *montana*; *foliis* subcoriaceis, obovatis, apice rotundatis vel obscure brevi-acuminatis, subtus plus prominentim parceque venosis quam in varr. α et β .—C.P. 3092.

HAB. Var. α . Extremely abundant at an elevation of 2000 to 5000

sect. *Var. β*. Near Galagama, Gardner. *Var. γ*. Newera Ellia.* *Nom. vulg.* "Kiriwarala-gass."

Arbor mediocris. Folia glabra (juniora plus minus pilosa), lanceolata, obovato-lanceolata, obovata vel suborbicularia, plus minus abrupte brevique acuminata, 1-5 poll. longa, 4 lin. 2½ poll. lata, *petiolo* 2-4 lin. longo. *Pedicelli* brevissimi vel subnulli. *Ovarium* sæpissime 4-loculare. *Nuculan*ia oblonga, 1-2-sperma, coccinea, 6 lin. longa. *Semina* castanea, nitida, albuminosa.

I was at one time disposed to regard some of the forms of this most variable plant as distinct, but further observation and the examination of a large number of specimens, satisfy me that they all belong to one species. I have little doubt, too, that Dr. Wight's *Is. lanceolata* is a form of the present plant, for I have examples of it extremely like his figure.

XCVI. EBENACEÆ.

1. DIOSPYROS, Dal., Linn.

† *Flores pedunculati.*

† *FLOB. MASC. Corolla* breviuscula, campanulata vel urceolata; *staminibus* inter se subæqualibus.

1. *D. Embryopteris*, Pers. (A. DC. Prod. viii. p. 235, cum syn.; Wight, Icon. tt. 843, 844.)—C.P. 1915.

Var. β. atrata; foliis membranaceis, *gemmis, pedunculis calyceque* nigro-pilosis.—C.P. 2731.

Var. γ. nervosa; foliis brevioribus, coriaceis, utrinque valde prominentim venosis, basi rotundatis; *gemmis, pedunculis calyceque* nigro-pilosis; *lobis calycis fructiferi* erectis.—C.P. 1910.

HAB. Var. α. Very abundant in the hotter parts of the island. *Var. β.* Less common, but generally distributed. *Var. γ.* In damp forests towards the south of the island. *Nom. vulg.* "Timberee-gass."

Though disposed at one time to regard the three well-marked varieties of this plant as distinct species, I now find it impossible, after a most careful examination, to discover any distinctive characters of sufficient importance to justify my separating them otherwise than as varieties. The black colour of the pubescence upon the gemmæ and inflorescence of *varr. β* and *γ*, gives them a different aspect from that of *var. α*, but black hairs are frequently intermixed with the pale pubescence of the latter, especially upon the gemmæ. In all the specimens I have examined, the ovary has been 8-celled.

The timber of this tree is used for buildings: the juice of the unripe fruit is employed for paying the seams of fishing-boats, and for putting upon their cordage and lines.

2. *D. cordifolia*, Roxb. (Pl. Cor. i. p. 38. t. 50; A. DC. l. c. p. 230, cum syn.)—*D. montana*, Wight, Ic. t. 1225 (non Roxb.).—C.P. 1909.

HAB. Jaffna, Gardner.

I have not seen the female flowers of this species, so am unable to ascertain whether they have four sterile stamens, as shown in Dr. Wight's figure, or a greater number, as represented in Roxburgh's; but it is probable, judging from other species, that the number of these organs is not very constant. The albumen of the seeds is not ruminatæ.

3. *D. sylvatica*, Roxb. (Roxb. Pl. Cor. i. p. 38. t. 47; A. DC. l. c. p. 231, cum syn.)—C.P. 2729.

HAB. Damp forests in the Hantani District and near Ratnapoora, up

to an elevation of 4000 feet. Nom. vulg. "Soodoo-Kadoombaireya-gass."

Tota planta siccitate nigrescens. Ovarium 6- vel 8-loculare. Nuculania spherica, 8 lin. in diam. Semina oblonga, 6 lin. longa, 4 lin. lata, albumine ruminato.

4. *D. Toposia*, Ham. (A. DC. l. c. p. 237, cum syn.)—*D. racemosa*, Roxb. Fl. Ind. ii. p. 536; Wight, Ic. t. 416.—c.p. 1911.

HAB. Not uncommon in damp forests, up to an elevation of 4000 feet. Nom. vulg. "Kahakaala-gass."

This agrees so well with Hamilton's description of his plant, except that he mentions the corolla as being five-lobed, that I cannot doubt their identity, and it certainly must be the one represented in Dr. Wight's figure, copied from Roxburgh's drawing. The inflorescence, however, is by no means racemose, but distributed over the lower leafless portion of the ramulus, and in the axils of a few of its lowest leaves. The female flowers are solitary, and the males in three-flowered cymes. In species of this genus, where the inflorescence is more apparently racemose, as in *D. Embryopteris*, it is not truly so, for the terminal flower being the first to expand, the inflorescence is really a modified cyme.

†† FLO. MASC. Corolla longiuscula, hypocrateriformi; staminibus inter se valde inaequilongis.

5. *D. crumenata*, Thw.; foliis glabris, oblongis, abrupte acuminatis, obtusis, basi rotundatis vel parum angustatis. MASC. Cymis 3-5-floris, cernuis, pilosis, petiolo subaequilongis; calyce obscure 4-dentato. FLO. FEM. solitariis, majusculis, cernuis; calyce utrinque piloso, ad medium 4-lobo, inter lobos marsupio-dilatato; lobis rotundatis, apiculatis; ovario 8-loculari; nuculanis subsphaericis 6-8-spermis.—c.p. 2438.

HAB. Central Province, at an elevation of 2000 to 4000 feet.

Arbor ingens. Ramuli glabri. Folia 2-5 poll. longa, 1-2 poll. lata, siccitate fuscescentia, petiolo 3-4 lin. longo. FLO. MASC. Calyx 2 lin. longus. Corolla 5 lin. longa. Stamina circiter 12. FLO. FEM. Calyx 4 lin. longus. Corolla calyce parum longior. Stamina ster. circiter 12. Nuculania 1½-2 poll. in diam., demum glabra, calyce aucto tetragono suffulta. Semina nigra, nitida, 1 poll. longa, ½ poll. lata, albumine ruminato.

6. *D. affinis*, Thw.; foliis glabris, subcoriaceis, prominentim reticulato-venosis, oblongis, plus minus acuminatis, obtusis, basi acutis vel subrotundatis. MASC. Cymis 3-7-floris, cernuis, pilosulis, petiolo parum longioribus; calyce breve 4-dentato. FLO. FEM. solitariis, majusculis, cernuis, pedunculo subaequilongis; calyce interne piloso, externe subglabro, ad medium 4-lobo, inter lobos marsupio-dilatato; lobis longiuscule acuminatis; ovario 6-loculari; nuculanis sphaericis, apiculatis, saepissime 4-spermis.—c.p. 2924.

HAB. Ooma Oya, on the lower road from Kandy to Badulla.

Arbor mediocria. Ramuli subglabri. Gemmae pilosae. Folia 1½-4½ poll. longa, 6-16 lin. lata, siccitate nigrescentia, petiolo 3-5 lin. longo. FLO. MASC. Calyx 1½ lin. longus. Corolla 4 lin. longa. Stamina circiter 9. FLO. FEM. Calyx 5 lin. longus. Nuculania pollicaria, denique glabra. Semina 6-7 lin. longa, 4 lin. lata, albumine ruminato.

Although very closely allied to the preceding species, I think it may be considered distinct. The timber of both species is suitable for building purposes.

7. *D. quasita*, Thw.; foliis glabris, oblongis, abrupte acuminatis, obtusis, basi parum angustatis, prominentim reticulato-venulosis, superne ad costam cum petiolo canaliculatis. MASC. Cymis 3-7-floris, cernuis, pilosis, petiolo subaequilongis; calyce breve 5-dentato. FLO.

FORM. solitaria, calyce ad medium 5-lobo, inter lobos marcescens dilatato; **lobis** acutiusculis; **nuculanis** subsphæricis.—C.P. 3010.

HAB. Singherajah and other forests between Ratnapoora and Galle. **Nom. vulg.** "Kaloomidereya-gass."

Arbor ingens. *Ramuli* glabri. *Folia* 3-7 poll. longa, $1\frac{1}{2}$ -3 poll. lata, siccate fusco-nigrescentia, *petiolo* 3-7 lin. longo. *Nuculanis* (immatura) bipollicaria.

This species produces the most valuable of the timber known as Calamander-wood, so much esteemed for ornamental cabinet-work. I regret that my specimens are too imperfect to allow of my giving so full a description as would be desirable of this interesting plant, which is nearly allied to *D. crumenata*, but its larger leaves and fruit, and its pentamerous flowers, well distinguish it.

8. D. Ebenum, Retz, (A. DC. l. c. p. 234, cum syn.; Wight, Icon. t. 188.)—C.P. 1912 (1913, 2437, 2439).

HAB. Not uncommon up to an elevation of 5000 feet. **Nom. vulg.** "Kaloowara-gass."

Arbor ingens. *Folia* membranacea vel parum coriacea, brevi-acuminata, rarius retusa, 2-7 poll. longa, $\frac{1}{2}$ -2 $\frac{1}{2}$ poll. lata, *petiolo* 2-4 lin. longo. *Ovarium* 8-loculare. *Semina* albumine non ruminato.

This tree yields the best kind of Ebony-wood.

Dr. Wight's figure, copied from Roxburgh's drawing, is not characteristic of this species as it commonly occurs here, the lobes of the corolla being represented too large, and the leaves without the usual somewhat abrupt obtuse acumination.

9. D. oocarpa, Thw.; *foliis* glabris, membranaceis, ovatis vel ellipticis, obtuse acuminatis, basi rotundatis vel parum angustatis, inconspicue venosis. **INFLO.** MASC. racemoidea, pilosula; *pedunculo* 3-6-floro, *petiolum* æquante vel brevior; *pedicellis* brevissimis; *calyce* sub-integro vel obscure 3-4-dentato. **FLO.** FEM. 1-3-nis; *ovario* 6- vel 8-loculari; *nuculanis* ovoideis, rugulosis, sæpissime 6-spermis, calyce vix aucto suffultis.—C.P. 1914.

HAB. Kornegalle District, and at Haragam, near Kandy, at no great elevation. **Nom. vulg.** "Kalo-kadoombaيرةya-gass."

Arbor mediocris. *Ramuli juniores* minute pilosuli. *Folia* 2-4 poll. longa, $1\frac{1}{2}$ -2 $\frac{1}{2}$ poll. lata, *petiolo* 3-4 lin. longo. **FLO.** MASC. *Calyx* 2 lin. longus. *Corolla* 5 lin. longa. *Stamina* circiter 12. **FLO.** FEM. quam masc. vix majores. *Nuculanis* (immatura) pollicaria. *Semina* albumine non ruminato.

†† *Flores sessiles vel subsessiles.*

‡ **FLO.** MASC. *Staminibus* indefinitis, inter se valde inæquilongis.

10. D. insignis, Thw.; *foliis* suboppositis vel alternis, majusculis, membranaceis, glabris, oblongis, acuminatis, parallelim delicatule venulosis, basi angustatis vel rotundatis. **MASC.** *Capitulis* multifloris; *calyce* ad medium 4-partito; *lobis* acutis. **FLO.** FEM. 1-2-nis; *ovario* 8-loculari; *nuculanis* subsphæricis, minute depresso-areolatis, calyce aucto, crasso, lignoso et tota margine quasi late reflexa suffultis.—C.P. 2730, 3477.

HAB. Damp forests, up to an elevation of 2000 feet. **Nom. vulg.** "Gona-gass."

Arbor ingens. *Ramuli juniores* pilosuli. *Folia* 4-14 poll. longa, $1\frac{1}{2}$ -6 poll. lata, siccate fuscocæscientia, *petiolo* 3-5 lin. longo. **FLO.** MASC. *Calyx* $1\frac{1}{2}$ lin. longus. *Corolla* 4 lin. longa. *Stamina* circiter 20. **FLO.** FEM. *Nuculanis* sesquipollicaria. *Semina* 11 lin. longa, 6 lin. lata, albumine ruminato.

A valuable timber-tree.

11. *D. oppositifolia*, Thw.; *foliis oppositis*, glabris (junioribus pilosulis), firmis, ovatis vel ellipticis, abrupte brevi-acuminatis, obtusis, basi rotundatis, obscure parallelim venalosis, brevi-petiolatis.—c.p. 3011.

HAB. Hinidoon Corle, up to an elevation of 1000 feet. Nom. locale "Kaloomidereya-gass."

Arbor mediocris. *Folia* 2-6 poll. longa, $1\frac{1}{2}$ -3 poll. lata, siccitate fuscescentia, petiolo 1-2 lin. longo. MASC. *Capitula* (in meis specim.) pauciflora. *Calyx* 1 lin. longus, fere ad medium 4-lobus, lobis acutis. *Corolla* tennis, circiter 8 lin. longa. *Stamina* circiter 8. FLOR. FÆM. adhuc ignoti.

The timber of this tree very much resembles the true Calamander-wood.

12. *D. Gardneri*, Thw.; *foliis membranaceis*, glabris, nitidis, inconspicue venosis, oblongis, acuminatis, basi parum angustatis, petiolatis; *floribus* brevissime pedicellatis, pilosis; *calyce* ad medium 4-partito; *lobis* triangularibus, acutis; *corollæ* tubo parum inflato; *ovario* 8-loculari; *nuculantis* depresso-sphæricis, apiculatis, fulvo-pilosis, denique glabris, nitidis, ad dimidium inferius calyce valde aucto obteectis.—c.p. 1908.

HAB. Saffragam and Kornegalle Districts, and, less commonly, near Kandy. Nom. vulg. "Kadoombaireya-gass."

Arbor mediocris. *Ramuli* teretes, glabri. *Gemmae* fusco-pilosæ. *Folia* 3-7 poll. longa, $1\frac{1}{2}$ -2 poll. lata, siccitate nigrescentia; petiolo 3-4 lin. longo. FLOR. MASC. 1-4-ni. *Calyx* 2 lin. longus. *Corolla* 5 lin. longa. *Stamina* circiter 12, filamentis pilosis. FLOR. FÆM. solitariis, erectis. *Calyx* $2\frac{1}{2}$ lin. longus, lobis recurvatis, margine reflexis. *Nuculanæ* (immaturæ) pollicariæ.

The timber of this tree is valuable for building and for cabinet-work.

†† FLOR. MASC. *Staminibus indefinitis, inter se subæquilongis.*

13. *D. ovalifolia*, Wight, Ic. t. 1227.—c.p. 1815, 2533.

HAB. Jaffna, Gardner. Central Province, at Hewahette and below Hapootelle, at an elevation of 2000 to 4000 feet.

Arbor mediocris. *Folia* $1\frac{1}{2}$ -6 poll. longa, $\frac{1}{2}$ -2 poll. lata, siccitate fulvescentia, petiolo 2-3 lin. longo. *Flores* 4- vel 5-meri. MASC. *Stamina* 15-20. *Ovarium rudimentum* parvum, conicum. FÆM. *Capitula* 3-6-flora. *Stamina sterilia* 1-7. *Ovarium* 4- vel 6-loculare. *Stigma* 2-3-lobum, lobis reniformibus. *Nuculanæ* glabræ, sphæricæ, glaucæ, 8 lin. in diam., sæpiissime 1-sperma. *Semina* subsphærica, albumine non ruminato.

14. *D. Candolleana*, Wight, Ic. tt. 1221, 1222.—c.p. 3394.

HAB. Saffragam District and Hinidoon Corle. Nom. vulg. "Homedereya-gass."

Arbor mediocris, ramulis, foliis junioribus inflorescentiaque ferrugineo-tomentosis. *Folia* sæpius longe acuminata, siccitate fulvescentia. MASC. *Stamina* 10-12. FÆM. *Nuculanæ* subsphæricæ, ferrugineo-pilosæ, denique glabræ, 7-8 lin. in diam., sæpiissime 4-sperma. *Semina* oblonga, nigrescentia, transverse striata, 5 lin. longa, $2\frac{1}{2}$ lin. lata, albumine ruminato.

††† *Staminibus tot quot lobi corollæ.*

15. *D. hirsuta*, Linn. f. (Supp. p. 440; A. DC. l. c. p. 223).—c.p. 382.

HAB. Forests in the Saffragam and Galle Districts.

Arbor mediocris, ramulis, foliis junioribus inflorescentiaque ferrugineo-tomen-

foliis. *Folia* subcoriacea, elliptica vel oblonga, plus minus abrupte acuminata, basi parum angustata, subtus tomentosa, demum subglabra, siccitate rufescentia, 3-8 poll. longa, 1-3 poll. lata, petiolo tomentoso, 3-4 lin. longo. *MASC. Capitula* multiflora. *Calyx* 1 lin. longus, vix ad medium 5-partitus. *Corolla* circiter 2 lin. longa. *Ovarium* parvum. *FLOR. FÆM.* 1-3-ni. *Calyx* crassus, 3 lin. longus, ultra medium 5-partitus; *lobis* triangularibus, acutis, margine reflexis. *Corolla* calyce parum longior. *Ovarium* sæpissime 10-loculare. *Nuculanis* ovoidea, apiculata, fulvo-tomentosa, 9 lin. longa, 6-10-sperma, calyce aucto suffulta. *Semina* nigra, transverse striata, 7 lin. longa, 3 lin. lata, albumine ruminato.

Female flowers are occasionally intermixed in the male capitula, and in that case are much smaller than when occurring alone. I have not yet been able to ascertain whether these smaller female flowers produce perfect fruit, but one which I dissected had the ovary only 6-celled.

16. **D. Moonii**, Thw.; *foliis* coriaceis, oblongis, acuminatis, basi rotundatis, superne glabris, costa petioloque canaliculatis, subtus sparse pilosulis; *calyce* fere ad medium 5-partito; *lobis* triangularibus, acutis; *ovario* 10-loculari; *nuculanis* sphaericis, subglabris.—C.P. 2833.

HAB. Near Caltura, Moon; Pasdoon Corle.

Arbor mediocris. *Ramuli* teretes, pilosuli, cito glabri, cortice fisso, nigro-cinerascente. *Folia* 5-12 poll. longa, 1½-4 poll. lata, petiolo 3 lin. longo. *Inflorescentia* axillaris, et quoque in axillis foliorum delapsorum, fulvo-pilosa. *MASC. Capitula* 8-10-flora. *Calyx* 2 lin. longus. *Corolla* circiter 4 lin. longa. *FLOR. FÆM.* 1-2-ni. *Calyx* crassus, 3 lin. longus, margine revoluto. *Corolla* calyce subaequilonga. *Stigma* obscure 5-lobum. *Nuculanis* sesquipollicaria, 6-10-sperma, calyce aucto suffulta. *Semina* oblonga, compressa, transverse rugosa, nigrescentia, 7 lin. longa, 4 lin. lata, albumine ruminato.

17. **D. acuta**, Thw.; *foliis* coriaceis, glabris vel subtus sparsissime pilosis, oblongo-lanceolatis, acutis, basi rotundatis, inconspicue venosis, superne costa petioloque canaliculatis; *calyce* ultra medium 4-5-partito; *lobis* lanceolatis, acutis; *ovario* 4- vel 6-loculari; *nuculanis* acuminatis, sæpissime 2-3-spermis.—C.P. 3476.

HAB. Pasdoon Corle.

Arbor mediocris. *Ramuli* teretes, pilosuli, cito glabri. *Gemmae* adpresso fulvo-pilosae. *Folia* 5-12 poll. longa, 1-3 poll. lata, siccitate subtus rufescentia, petiolo ½-1 poll. longo. *Inflorescentia* adpresso fulvo-pilosa, aliquando monoica et tunc capitulis foemineis versus apicem ramulorum, masculis infra. *MASC. Capitula* multiflora. *Calyx* 2 lin. longus. *Corolla* circiter 4 lin. longa. *Ovarii* rudiment. minutissimum. *FLOR. FÆM.* 1-4-ni. *Calyx* 4-5 lin. longus, *lobis* ad marginem plus minus reflexis. *Corolla* calyce subaequilonga. *Stigmata* 2-3, 1 lin. longa, spathuliformia. *Nuculanis* sesquipollicaria, calyce parum aucto suffulta. *Semina* castanea, nitida, oblonga, acuminata, pollicaria, albumine non ruminato.

18. **D. attenuata**, Thw.; *foliis* membranaceis, glabris vel sparsissime pilosulis, oblongis, acuminatis, basi in petiolum brevem angustatis, creberrime venulosis; *calyce* ultra medium 4-5-partito; *lobis* lanceolatis, acutis; *ovario* 4-loculari; *nuculanis* oblongis, acuminatis, sæpissime 2-3-spermis.—C.P. 3478.

HAB. Pasdoon Corle.

Arbor mediocris. *Folia* 1½-4 poll. longa, ½-1 poll. lata, siccitate pallide fusca, petiolo 1-2 lin. longo. *Inflorescentia* pilis testaceis, nigris intermixta, strigosa. *MASC. Capitula* 3-10-flora. *Calyx* 1 lin. longus. *Corolla* circiter 2 lin. longa. *FLOR. FÆM.* solitarii. *Calyx* 3-4 lin. longus, *lobis* ad marginem plus minus reflexis. *Corolla* calyce parum longior. *Stigmata* 2, breviter, spathuliformia. *Nuculanis* 1-1½ poll. longa. *Semina* castanea, nitida, oblonga, acuminata, albumine non ruminato.

2. *MACREIGHTIA*, A. DC.

1. *M. oblongifolia*, Thw.; *foliis* subcoriaceis, oblongis, acuminatis, basi rotundatis, subtus ad nervos cum petiolo brevi fulvo-hispidis, denique glabris. FLO. FORM. solitariis, brevi-pedunculatis; *calyce* hispido, ad basin 3-partito; *lobis* acutis; *ovario* piloso, 6-loculari; *nuculanis* subsphaericis, fulvo-tomentosis, 3-6-spermis.—c.p. 3396.

HAB. Near Ratnapoora, and in the Singherajah and other forests between that place and Galle.

Arbor parva. *Ramuli* juniores valde hispidi. *Folia* 3-7 poll. longa, 1-2½ poll. lata, *petiolo* 1-2 lin. longo. *Nuculanis* pollicaria, *calyce* non aucto suffulta. *Semina* 6 lin. longa, 4 lin. lata, nigrescentia, *radicula* cylindrica, *cotyledonibus* oblongis dimidio longiore, *albumine* non ruminato.

I have as yet only obtained specimens of this plant bearing ripe and unripe fruit, so am not quite certain that it is a true *Macreightia*, but it agrees with this genus in the characters my specimens exhibit

3. *MABA*, Forst.

1. *M. buxifolia*, Pers. (A. DC. Prod. viii. p. 240, cum syn.; Wight, Ic. t. 763.)—c.p. 477.

Var. *β. microphylla*; *foliis* parvulis.—c.p. 1916.

Var. *γ. Ebenus*; *foliis* majoribus, membranaceis, parum acuminatis vel retusis, sæpe suborbiculatis.—*M. Ebenus*, Spr.; A. DC. l. c. p. 242, cum syn. *M. Neilgherrensis*, Wight, Ic. tt. 1228, 1229.—c.p. 3395.

Var. *δ. angustifolia*; *foliis* lanceolatis vel lineari-lanceolatis, obtusis.—*M. angustifolia*, Miq.—c.p. 1917.

HAB. Varr. *α.* and *β.* Hot, drier parts of the island. Var. *γ.* Ambagamowa District, and near Ratnapoora. Var. *δ.* On the banks of rivers. Nom. vulg. "Kaloo-habaraleya-gass."

I have devoted much time to the examination of the several very different-looking varieties of this plant, expecting to discover some sufficiently important constant characters to enable me to separate them specifically, but I find them so completely connected together by intermediate forms, that I have no hesitation in considering them all as representing only one very variable species. variable, it may truly be called, since the leaves in var. *β.* are sometimes not a quarter of an inch in length, whilst in var. *δ.* they reach to five inches in length.

XCVII. AQUIFOLIACEÆ.

1. *ILEX*, Linn.

† *Flores tetrameri.*

1. *I. denticulata*, Wall. (Wight, Illust. t. 142.)—c.p. 573.

HAB. Bopatalawa Plains, at an elevation of 6000 feet.

Arbor magna. *Ramuli* angulosi, minutissime puberuli, cito glabri, cinerascetes. *Folia* subcoriacea, glabra, oblonga, abrupte rostrato-acuminata, acute serrata, 1½-3½ poll. longa, ¾-1½ poll. lata, siccitate fusciscentia, *petiolo* 2-3 lin. longo. *Pedunculi* subnulli vel plus minus elongati. *Pedicelli* 3-4 lin. longi, umbellati vel sparsi. *Corolla* 3½-4 lin. in exp.

†† *Flores pentameri.*

2. *I. Wightiana*, Wall. (Wight, Ic. t. 1216.)—c.p. 2656, 3484.

HAB. Southern and central parts of the island, up to an elevation of 4000 feet.

Folia 2-5 poll. longa, 1-2½ poll. lata, *petiola* 3-4 lin. longo. *Pedunculi* saepe elongati ramosique. *Pedicelli* umbellati, minutissime puberuli.

3. *I. Walkeri*, Wight et Gardn. MSS.; *foliis* parvis, coriaceis, glabris, nitidis, integris vel rarius parce denticulatis, oblongis vel rotundatis, acutis vel retusis mucronulatisque, basi plus minus angustatis; *umbellis* sessilibus vel brevi-pedunculatis. — An *I. integra*, Thunb. Fl. Jap. p. 77 P.—c.p. 298 (622, 647).

HAB. Central Province, at an elevation of 5000 to 8000 feet.

Arbor parva. *Ramuli* angulosi, dense foliosi. *Folia* 4-12 lin. longa, 2-7 lin. lata, *petiolo* 1½-2 lin. longo, parum alato. *Pedicelli* circiter 1½ lin. longi. *Flores* parvuli, albid.

XCVIII. SYMPLOCEÆ.

1. SYMPLOCOS, Jacq.

Sect. *Ciponima*, A. DC.

Ovarium 2-loculare.

1. *S. pendula*, Wight, Ic. t. 1237; Walp. Ann. i. p. 500.—c.p. 504 (555, 665).

HAB. Central Province, at an elevation of 5000 to 8000 feet; abundant.

- Sect. *Hopea*, A. DC.

† *Folia* secus ramulum fere ad basin disposita.

2. *S. spicata*, Roxb. (A. DC. Prod. viii. p. 254, cum syn.; Wight, Illust. ii. t. 150, et var. *β Zeylanica*, A. DC. l. c. cum syn.)—c.p. 473.

HAB. Very abundant. Var. *a* in more elevated situations, up to 7000 feet. Var. *β* in the hotter, lower parts of the island. Nom. vulg. "Bômboc-gass."

3. *S. rufescens*, Thw.; arborea, glaberrima; *foliis* oblongo-lanceolatis, brevi-acuminatis, obtusis, inconspicue venosis, a medio ad apicem obscure crenulatis denticulatisque, basi acutis; *racemis* simplicibus, folio multo brevioribus; *floribus* inferioribus pedicellatis; *bracteis* bracteolisque parvis, glabris, margine ciliatis.—c.p. 3639 (473 partim).

HAB. Ambagamowa District.

Ramuli angulosi. *Folia* 1½-4 poll. longa, ¾-1½ poll. lata, siccitate rufescentia; *petiolo* 2-3 lin. longo. *Bractea* rotundata, cito decidua. *Bracteola* oblongae, calyce dimidio breviores, subpersistentes. *Calys* glaber, lobis rotundatis, parum acutis, margine ciliatis.

Closely resembling var. *β* of the preceding species, but apparently quite distinct. I have not seen the fruit of the present plant.

4. *S. laeta*, Thw.; arborea, glaberrima; *foliis* ovato-lanceolatis, acuminatis, obscure denticulatis, basi acutis, subtus parce prominentim venosis; *racemis* folio subæquilongis vel brevioribus, basin versus nudis; *floribus* sessilibus vel inferioribus subsessilibus; *bracteis* glabris, parvis, oblongis; *bracteolis* nullis; *baccis* oblongis.—c.p. 165 (582, 2436).

HAB. Not uncommon in the more elevated parts of the Central Province.

Ramuli teretes, striati. *Folia* 1½–4 poll. longa, 6–16 lin. lata, juniora cyaneo-viridia, denique flavescentia; *petiolo* 3–8 lin. longo. *Calyx* glaber, tubo obconico; *lobis* rotundatis, subacutis, ciliolatis.

5. *S. bractealis*, Thw.; arborea, glaberrima; *foliis* ovatis vel ovato-lanceolatis, acutis, glanduloso-serratis, creberrime venosis, basi obtusis vel subacutis, brevi-petiolatis; *racemis* folio brevioribus; *floribus* subsessilibus; *bracteis* *bracteolisque* majusculis, glabris, margine ciliatis, deciduis; *baccis* oblongis. — C.P. 174 (676).

HAB. Forests in the more elevated parts of the Central Province.

Ramuli teretes, striati. *Folia* 1½–4 poll. longa, 1–2 poll. lata; *petiolo* 1–2½ lin. longo. *Bractee* rotundate, 2–3½ lin. longae, *bracteolis* oblongis majores. *Calyx* glaber, *lobis* rotundatis.

6. *S. obtusa*, Wall. (A. DC. l.c. p. 255; Wight, Ic. t. 1233).—C.P. 626 (673).

Var. *β. major*; *foliis* majoribus, brevissime acuminate, rotundatis vel retusis; *floribus* parum minoribus.—C.P. 1820.

Var. *γ. obovata*; *foliis* minoribus, obovatis vel suborbicularibus, basi acutis; *racemis* paucis sæpe 1-floris.—*S. obovata*, Wight & Gardn. MSS. C.P. 1819.

Var. *δ. cucullata*; *foliis* majoribus, valde coriaceis, oblongis vel obovatis, utrinque obtusis, ad marginem cucullato-revolutis, superne prominentem, subtus inconspicue venosis; *petiolo* brevi, crasso; *racemis* ut in var. *α*.—C.P. 2835.

HAB. Central Province, at an elevation of 5000 to 8000 feet.

A very variable plant, and perhaps var. *β*, in which the leaves frequently reach to seven inches in length and three inches in width, is to be considered the most typical form of the species. In var. *α* the racemes sometimes become branchlike, the bracts being converted into leaves, and thus it approaches var. *γ*, in which the leaves of a branch often bear each a single stalked flower in its axil. The leaves in var. *γ* show not uncommonly a disposition to a verticillate arrangement. Var. *δ* has, at first sight, a very distinct appearance, but the peculiar form of its leaves proves it to be in an abnormal state, arising probably from certain conditions of moisture and exposure.

7. *S. hirsuta*, Wight and Gardn. MSS.; arborea; *ramulis* plus minus hispidis; *foliis* membranaceis, creberrime venosis, oblongis, breviusculis, basi rotundatis, serrulatis, superne glabris, subtus ad costam *petioloque* hispidulis; *racemis* folio brevioribus, pilosis; *floribus* inferioribus brevi-pedicellatis, superioribus sessilibus; *bracteis* *bracteolisque* sæpius externe pilosis; *calyce* glabro vel rarius lobis externis pilosis; *baccis* oblongis. —C.P. 368.

Var. *β. minor*; *foliis* brevioribus, ovatis, acutis; *petiolo* longiore quam in var. *α*.—C.P. 273, 2204.

HAB. Central Province, at an elevation of 5000 to 8000 feet.

Folia 1–3½ poll. longa, ½–1½ poll. lata; *petiolo* 2 lin. (var. *β* 3 lin.) longo. *Baccæ* ½ poll. longæ.

This species would seem to be very nearly allied to *S. Hamiltoniana*, Wall., A. DC. l.c. p. 254, and to *S. foliosa*, Wight, Ic. t. 1234.

8. *S. elegans*, Thw.; arborea; *ramulis* teretibus, plus minus rufovel testaceo-tomentosis; *foliis* membranaceis, creberrime venosis, oblongis vel ovatis, acute acuminate, subintegris vel obscure serrulatis,

superne glabris vel basi ad costam pilosis, subtus petioloque plus minus pilosis, basi rotundatis vel subacutis; *racemis* folio brevioribus, pilosis; *bracteis* *bracteolisque* externe pilosis; *calyce* glabro, lobis ciliolatis; *baccis* oblongis, subampulliformibus.—c.p. 23.

Var. β . *angustata*; *ramulis* tomento fulvo parcius tectis; *foliis* angustioribus, longius acuminatis.—c.p. 78, 155.

HAB. Central Province, at an elevation of 5000 to 7000 feet.

Folia 1-3½ poll longa, ½-1½ poll lata, *petiolo* 1½-2 lin longo. *Baccæ* 5 lin. longæ.

Closely allied to and resembling the preceding species, and I have sometimes felt disposed to regard them as varieties, but the different character of the pubescence, and the more acuminate leaves of the present plant, are perhaps sufficient to warrant their being kept distinct.

9. *S. hispidula*, Thw.; arborea; *ramulis* subteretibus, parum angulosis, plus minus hispidis; *foliis* membranaceis, creberrime venosis, integris vel obscure denticulatis, obovatis vel oblongis, abrupte brev-acuminatis, basi rotundatis, subcordatis vel rarius subacutis, superne pilosulis vel glabris, subtus petioloque pilosis, *racemis* folio brevioribus, hispidis; *floribus* brevi-pedicellatis; *bracteis*, *bracteolis*, *calyceque* externe pilosis; *baccis* subcylindricis, pilosis.—c.p. 407.

HAB. Ambagamowa and Saffragam Districts, at an elevation of 3000 to 5000 feet.

Folia 2½-7 poll. longa, 1½-3½ poll. lata, *petiolo* 2-4 lin longo. *Baccæ* pilosæ, 5-6 lin longæ.

The entire leaves, of a larger size and different shape, and the hairy calyx of the present plant, are the principal characters to distinguish it from *S. lusata*, W. & G.

10. *S. jucunda*, Thw.; arborea, *ramulis* teretibus, fulvo-tomentosis; *foliis* membranaceis vel subcoriaceis, integris vel obscure distanter denticulatis, longiuscule acuminatis, basi rotundatis, superne pilosulis vel glabris, subtus creberrime venosis et, cum *petiolo*, tomentosis; *racemis* folio brevioribus, cum *bracteis*, *bracteolis* *calyceque* externe, tomentosis; *floribus* brevi-pedicellatis, *baccis* subcylindricis, pilosis.—c.p. 2435, 3154.

HAB. Deltotte and Saffragam, at an elevation of 3000 to 4000 feet.

Folia 2½-6 poll longa, 1-2 poll lata, *petiolo* 2-3 lin longo. *Baccæ* 6-7 lin. longæ.

Differs from the preceding in its more acuminate leaves and in the character of the pubescence. From *S. pulchra*, Wight, Ic t 1230, to which it bears a close resemblance, the entire leaves of the present plant seem sufficient to distinguish it.

11. *S. acuta*, Thw.; arborea; *foliis* subcoriaceis, oblongo-lanceolatis, acuminatis, utrinque acutis, superne glabris, levibus, ad costam canaliculatis, subtus venosis, costa vemsque primariis, cum *petiolo*, adpresse pilosulis; *racemis* petiolo subæquilongis vel 2-3-plo longioribus, puberulis; *pedicellis* calyce brevioribus; *calyce* tubo puberulo, lobis rotundatis, subglabris; *baccis* longiuscule sub-ampulliformibus, subglabris.—c.p. 2681.

HAB. Saffragam District, at an elevation of 2000 feet.

Ramuli teretes, juniores adpresse pilosi. *Folia* 2-5 poll longa, ¾-1¼ poll. lata, *petiolo* 3-5 lin. longo. *Baccæ* 5-6 lin. longæ.

†: *Folia versus apicem ramuli disposita.*

12. *S. cuneata*, Thw.; arborea; *foliis* subcoriaceis, integris, oblongo-

lanceolatis, acutis, basi in petiolum brevem gradatim angustatis, superne glabris, lævibus, ad costam venasque primarias canaliculatis, subtus prominentim venosis, costa venisque, cum petiolo, adpresse pilosis; *racemis* brevibus, tomentosis; *floribus* subsessilibus; *baccis* elongatis; subcylindricis; cum *lobis calycinis*, pilosis.—c.p. 2920.

HAB. Pasdoon Corle, at no great elevation.

Ramuli teretes, juniores dense adpresse pilosi *Folia* 3-6 poll. longa, $\frac{3}{4}$ -1 $\frac{1}{4}$ poll. lata, *petiolo* 2-3 lin longo *Baccæ* 6-7 lin longæ

The different arrangement of the leaves, as well as the subsessile flowers of the present species, sufficiently distinguish it from the preceding, to which it bears very considerable general resemblance

13. *S. cordifolia*, Thw.; arborea; *foliis* glabris, subcoriaceis obovatis, obtusis vel brevissime acumınatis, versus basin angustatis, auriculato-cordatis, creberrime venosis, glanduloso-denticulatis, brevi-petiolatis; *racemis* tomentosis, folio brevioribus; *bracteis* *bracteolisque* majusculis, externe tomentosis; *calyce* tubo glabro, lobis externe tomentosis.—c.p. 271.

HAB. Central Province, at an elevation of 6000 to 7000 feet.

Folia 3-6 poll. longa, 1 $\frac{1}{2}$ -3 $\frac{1}{2}$ poll lata, *petiolo* 1-2 lin longo *Baccæ* oblongæ, glabræ, calycis lobis tomentosis coruatis

14. *S. marginalis*, Thw., arborea, *ramulis* teretibus et, cum *petiolis* *racemisque*, dense ferrugineo-tomentosis, *foliis* coriaceis, integris, oblongis, abrupte et brevissime acumınatis, basi subacutis, superne glabris, ad marginem parum incrassatum tomentosis, ad costam basi tomentosam canaliculatis, subtus creberrime prominenti-venosis tomentosisque; *calyce* tomentoso.—c.p. 2688

HAB. Ambagamowa District.

Folia 3 $\frac{1}{2}$ -7 poll. longa, 1 $\frac{1}{2}$ -3 $\frac{1}{2}$ lata; *petiolo* 3-5 lin longo

††† *Folia ad summum apicem ramuli subverticillata*

15. *S. apicalis*, Thw., subarborea, erecta, parce ramosa, *ramulis* teretibus; *foliis* majusculis, membranaceis, subintegris, minute denticulatis, creberrime venosis, oblongo-lanceolatis, acutis; *racemis* folio multum brevioribus, axillaribus et sæpe in axillis squamarum ramuli delapsarum, hirsutis; *floribus* subsessilibus, *bracteis*, *bracteolis* *calyceque* externe pilosis; *baccis* oblongis, pilosis.

Var. *a. strigosa*; *ramulis* strigosis; *foliis* basi acutis vel subacutis, costa petioloque strigosis.—c.p. 438.

Var. *β. glabrifolia*; *ramulis* glabris; *foliis* majoribus, glabris, a supra-medio versus basin gradatim angustatis, basi abrupte obtusis.—c.p. 2933.

HAB. Var. *a.* Reigam Corle. Var. *β.* In the Singhê-rajah Forest, between Ratnapoora and Galle, in wet places, at no great elevation.

Folia 5-15 poll. longa, 1 $\frac{1}{4}$ -5 $\frac{1}{2}$ poll. lata; *petiolo* 2-3 lin longo. *Baccæ* 6-7 lin. longæ.

16. *S. coronata*, Thw.; arborea; *ramulis* teretibus, ferrugineo-tomentosis; *foliis* coriaceis, oblongis, utrinque acutis, serrulatis, creberrime venosis, superne glabris, subtus *petioloque* tomentosis; *racemis* in axillis squamarum ramuli delapsarum, tomentosis, folio multum brevioribus; *floribus* subconfertis, sessilibus; *bracteis*, *bracteolis* *calyceque* externe pilosis; *baccis* ovoideis, pilosis.—c.p. 127.

HAB. Central Province, at an elevation of 2000 to 4000 feet.

Folia 5-9 poll. longa, 2-4 poll. lata; *petiolo* 2-4 lin. longo. *Bacca* 4-5 lin. longæ.

XCIX. ANCISTROCLADEÆ.

(Planchon, Ann. des Sc. Nat. (Ser. 3) xiii. p. 316.—Walp. Ann. ii. p. 175.)

1. ANCISTROCLADUS, Wall.

(Thw. in Linn. Soc. Trans. xxi. p. 225.)

Semen copiose albuminosum, cerebriformi-ruminatum. *Embryonis radícula* cylindrica, *cotyledones* breves, subfohæci, divergentes.

1. **A. Vahlîi**, Arn. Pug. 7 (325); Planch. l. c. p. 317; Walp. l. c.; Thw. l. c. t. 24 c. p. 1600.

HAB. Central and southern parts of the island, up to an elevation of 2000 feet. Nom. vulg. "Gona-wel," "Gonapittan-wel."

C OLEACEÆ.

1. OLEA, Tourn.

1. **O. glandulifera**, Wall. (A. DC. Prod. viii. p. 285; Wight, Ic. t. 1238.)—C. P. 2481.

HAB. Central Province, at an elevation of 2000 to 4000 feet.

2. **O. Gardneri**, Thw.: glabra; *foliis* oppositis, versus apicem ramuli aggregatis, coriaceis, integris, ovatis vel oblongis, plus minus acuminatis vel rotundatis, parce venosis, basi acutis, *cymis* pedunculatis, 3-9-floris, rarius plurifloris, axillaribus et infra folia secus ramulum sparsis; *pedicellis* flore subæquilongis, *corolla* campanulata, ad medium 4-partita, lobis rotundatis.—*Notelæa Zeylanica*, Gardn. MSS.—C. P. 275, (627, 1821.)

HAB. Central Province, at an elevation of 5000 to 8000 feet.

Arbor 10-12-pedalis. *Folia* 1-2½ poll. longa, ½-1½ poll. lata, *petiolo* 2-3 lin. longo. *Calyx* acute 4-lobus. *Corolla* albida, 1 lin. longa. *Stamina* inclusa. *Nuculama* rotundata, pisi magnitudinis, putamine tenui.

2. LIGUSTRUM, Tourn.

1. **L. robustum**, Bl. Mus. Bot. Lugd.-Bat. i. p. 313.—*Visania robusta*, A. DC. Prod. viii. p. 289, cum syn.—C. P. 475.

HAB. Central Province, up to an elevation of 5000 feet; common in the Hapootelle District.

3 CHIONANTHUS, Linn.

(Blume, Mus. Bot. Lugd.-Bat. i. p. 317.)

1. **C. Zeylanica**, Willd. i. p. 47. *Linociera purpurea*, Vahl; A. DC. Prod. viii. p. 297, cum syn. *L. dichotoma*, Wall. A. DC. l. c.—C. P. 1818.

HAB. Abundant in the hotter parts of the island. Nom. vulg. "Gherriatta-gass."

Corolla alba, siccitate subpurpureascentis.

As remarked by Blume, there seems to be scarcely sufficient ground for separating *Linociera* as a genus distinct from *Chonanthus*. Of *Chon. cotinifolia*, Willd., founded on Plukenet's description, quoted by Barmann in Thes. Zeyl. p. 31, I know nothing, nor am I acquainted with any species of this genus, indigenous to Ceylon, which has the under side of its leaves villous.

2. *C. albidiflora*, Thw.; *foliis* subcoriaceis, oblongis, abrupte rostrato-acuminatis, paucissime venosis, basi acutis; *cymis* axillaribus, subracemoides, paucifloris, folio multum brevioribus, glabris; *bracteis* minutissime pilosulis; *floribus* brevi-pedicellatis, *calyce* glabro, lobis rotundatis, subacutis; *petalis* elongatis, canaliculato-linearibus; *nuculanis* obovoideis, apiculatis, glabris, putamine crustaceo.—c.p. 472.

HAB. Not uncommon at an elevation of 1000 to 3000 feet. Nom. vulg. "Taccada-gass."

Arbor parva *Folia* $2\frac{1}{2}$ –5 poll longa, $\frac{3}{4}$ –1 $\frac{1}{2}$ poll lata, *petiolo* 2 lin. longo. *Petala* 3 lin. longa, pallide flava *Nuculanis* 6 lin. longa, purpurea

This may possibly be a variety of *Linociera Malabarica*, Wall, Wight, Ic. t. 1246, which it very much resembles, but the leaves of that species are represented with a shorter acumination, and the flowers are described as sessile, with the pedicels and calyces hairy, in all which respects it differs from the present plant

3 *C. leprocarpa*, Thw.; *foliis* subcoriaceis, glabris, oblongis, acuminatis, subevenis, basi acutis; *cymis* axillaribus, racemoides, paucifloris, folio multum brevioribus, minutissime glanduloso-pilosulis; *floribus* brevi-pedicellatis, *calyce* lobis latis, subtruncatis, ciliatis; *petalis* (im-maturis) margine involutis; *nuculanis* ovoideis, parce leprosis, putamine lignoso-chartaceo.—c.p. 2475.

HAB. Central Province, at an elevation of 3000 to 4000 feet; rather rare.

Arbor medioeris *Folia* $2\frac{1}{2}$ –5 $\frac{1}{2}$ poll longa, 1–1 $\frac{1}{2}$ poll lata; *petiolo* 2–3 lin. longo. *Nuculanis* purpurea, 1 poll. longa, 6–7 lin. lata.

4. *C. rostrata*, Thw.; *foliis* subcoriaceis, glabris, oblongis, longiuscule rostrato-acuminatis, basi acutis; *cymis* axillaribus, racemoides, brevibus, paucifloris, minutissime pilosulis; *floribus* brevi-pedicellatis, *calyce* lobis rotundatis, ciliatis; *nuculanis* glabris, subfusiformibus, putamine lignoso-chartaceo.—c.p. 3472.

HAB. Hindoo Corle.

Folia $2\frac{1}{2}$ –4 poll longa, $\frac{3}{4}$ –1 $\frac{1}{2}$ poll. lata, *petiolo* 3–3 $\frac{1}{2}$ lin. longo. *Nuculanis* 14 lin. longa, 6 lin. lata

CI. JASMINACEÆ.

1. JASMINUM, Tourn.

(Nom. vulg. "Pitcha.")

Sect. 1. *Unifoliata*, A. DC. Prod. viii. p. 301.

1. *J. Sambac*, Ait. (A. DC. l. c. var. *a*, cum syn.; Wight, Ic. t. 704.)—c.p. 1812.

HAB. Galle, *Gardner*; Batticaloa.

2. ***J. angustifolium***, Vahl, (A. DC. l. c. p. 303, cum syn.; Wight, Ic. t. 698.)—C.P. 1807.

HAB. Very abundant in the hot, drier parts of the island, and very variable in the shape of its leaves.

3. ***J. rigidum***, Zenk. (A. DC. l. c. p. 305; Wight, Ic. t. 1247, cum syn. seq.) *J. myrtophyllum*, Zenk.; A. DC. l. c. p. 304. *J. tetraphis*, Wight & Gardn. in Cal. Journ. of Nat. Hist. v. 27. p. 55.—C.P. 1809.

HAB. Hot, drier parts of the island.

Ramuli puberuli.

4. ***J. auriculatum***, Vahl, (A. DC. l. c. p. 309, cum syn.; Wight, Ic. t. 700.)—C.P. 1810.

HAB. Very abundant in the warmer parts of the island.

Obs *Jasm. laurifolium*, Roxb., occurs in gardens, but I have never found it in a wild state.

Sect. 2. *Trifoliolata*, A. DC.

5. ***J. flexile***, Vahl, (A. DC. l. c. p. 310; Wight, Ic. t. 1253; Burm. Thes. Zeyl. p. 127. t. 58. fig. 1)—C.P. 724 (1814).

HAB. Not uncommon, up to an elevation of 3000 feet.

Foliola oblonga vel lanceolata, acuminata, basi rotundata vel acuta

Sect. 3. *Alternifolia*, A. DC.

6. ***J. humile***, Linn (A. DC. l. c. p. 313) *J. revoluti*, Sims, var. β ; A. DC. l. c. p. 312. Wight, Ic. t. 1258, cum syn. seq. *J. biguoniaceum*, Wall., et *J. aureum*, Don.—C.P. 1811

HAB. Elephant Plains, *Gardner*, below Horton Plains, at an elevation of 6000 feet.

2. NYCTANTHES, Juss.

1. ***N. arbor-tristis***, Linn. (A. DC. Prod. vni. p. 314, cum syn.)—C.P. 1808.

HAB. Jaffna, *Gardner*. Not uncommon in native gardens and near Buddhist temples, but hardly truly wild. Nom. vulg. "Sappaala-gass."

A colouring matter is obtained from the corolla-tube of this plant, which is employed by the native priests for dyeing cloth yellow

CII. SALVADORACEÆ.

(Planchon in Ann. des Sc. Nat. (Ser. 3) x. p. 189).

1. SALVADORA, Linn.

1. ***S. Wightiana***, Planch. MSS. in Herb. Hook. *S. Indica*, Wight, Illust. ii. p. 229. t. 181 (? Royle). *S. Persica*, Roxb. Fl. Ind. i. p. 389; Decaisne in Jacq. Voy. vol. iv. p. 140. adn.; Walp. Ann. i. p. 547 (non *S. Persica*, Linn.).—C.P. 2267.

HAB. Near the seacoast, towards the north of the island.

2. **AZIMA**, Lam.(Wight, *Illustr.* ii. p. 156.)

1. **A. tetracantha**, Lam. (Walp. *Ann.* iii. p. 16, cum syn.; Wight, *l. c.* p. 157. t. 153.)—C.P. 2216.

HAB. Hot, drier parts of the island.

CIII. APOCYNACEÆ.

1. **WILLUGHBEIA**, Roxb.

1. **W. Ceylanica**. — *Chilocarpus Ceylanicus*, Wight, *l. c.* t. 1288. *Winchia cirrhifera*, Gardner, MSS.—C.P. 1829.

HAB. Not uncommon in forests, up to an elevation of 4000 feet

Fructus carnosus, subsphaericus vel parum pyriformis, flavo-rubescens, 4-5 poll. in diam. *Semina* oblonga, compressa, $\frac{1}{2}$ poll. longa, $\frac{1}{2}$ poll. lata, *testa* tenui, membranacea, *cotyledonibus* carnosis, rufescentibus, *radicula* parva.

The large, handsome fruit of this species is a favourite food of monkeys

2. **CARISSA**, Linn

(Nom. vulg. "Karanda-gass")

1. **C. Carandas**, Linn. (A. DC. *Prod.* viii. p. 332, cum syn.; Wight, *l. c.* t. 426.)—C.P. 1823

HAB. Jaffna, *Gardner*; Kornegalle.

2. **C. diffusa**, Roxb. (A. DC. *l. c.*; Wight, *l. c.* t. 427.)—C.P. 1822.

HAB. Very abundant in the hotter parts of the island.

3. **OPHIOXYLON**, Linn.

1. **O. serpentinum**, Willd. (A. DC. *Prod.* viii. p. 342, cum syn.; Wight, *l. c.* t. 849.)—C.P. 1834.

HAB. Common up to an elevation of 2000 feet. Nom. vulg. "Aikawaireya."

2. **O. densiflorum**, Thw.—*O. Ceylanicum*, Wight, *l. c.* t. 1291. *O. Neilgherrense*, Wight, *l. c.* t. 1292. *Tabernaemontana densiflora*, Wall. *Edw. Bot. Reg.* v. 15. t. 1273; A. DC. *l. c.* p. 373.—C.P. 1836.

HAB. Central Province, up to an elevation of 6000 feet.

4. **ALYXIA**, R. Br.

1. **A. Ceylanica**, Wight, *l. c.* t. 1293.—C.P. 1835.

HAB. Ambagamowa District, at an elevation of 1000 to 2000 feet.

Flores flavidi. *Carpella* matura, coccinea, 2-7-sperma.

5. **HUNTERIA**, Roxb.

(Nom. vulg. "Maddeya-gass")

1. **H. Zeylanica**, *Gardn. MSS.* — *Cameraria Zeylanica*, Retz;

Willd. ; A. DC. Prod. viii. p. 389, cum syn.—An *Hunteria corymbosa*, Roxb. var. ?—c.p. 1827.

HAB. Warmer parts of the island ; common.

Flores flavid. *Carpella* oblonga, rostrato-acuminata, stipitata, pollicaria.

The wood of this species has a very fine, close grain, resembling that of the Box-tree.

2. ? *H. Roxburghiana*, Wight, Ic. t. 1294.—c.p. 2518.

HAB. Central Province, in the Maturatte and Badulla Districts.

Folia lineari-lanceolata, obtuse acuminata, basi acuta, superne nitida, subtus opaca pallidioraque, venis primariis parallelis parum conspicuis, 2-6 poll longa, $\frac{1}{2}$ -1 poll. lata, petiolo 3-5 lin longo *Flores* flavid *Carpella* (immatura) parce acuminata.

This would seem to have the leaves narrower and less numerous and strongly veined than Dr Wight's plant, as represented in his figure, but in other respects there appears to be great similarity

6. CERBERA, Linn.

1. *C. Odollam*, Gärtn. (A. DC. Prod. viii. p. 353, cum syn. ; Wight, Ic. t. 441)—c.p. 1832.

HAB. Hotter parts of the island, especially near the sea. Nom. vulg. "Göng-kadooroo-gass."

7. OCHROSIA, Juss.

1. *O. Borbonica*, Gm. (A. DC. Prod. viii. p. 356, cum syn.)—*O. ? platyspermos*, A. DC. l.c. cum syn. *Cerbera parviflora*, Moon's Cat. p. 19. An Willd. i. p. 1222?—c.p. 1833.

HAB. Cultura, and other places near the sea. Nom. vulg. "Moodoo-kadooroo-gass."

8. TABERNÆMONTANA, Plum.

1. *T. dichotoma*, Roxb. (A. DC. Prod. viii. p. 366, cum syn. ; Wight, Ic. t. 433) *Cerbera Manghas*, Linn. (*partim*.) *Manghas lactescens*, etc., Burm. Thes. Zeyl. 151. t. 70. f. 1.—c.p. 2834.

HAB. Very common in the warmer parts of the island. Nom. vulg. "Diwi-kadooroo-gass."

Semina matura in pulpa sanguinea nidulantia

This is no doubt the plant intended by Burmann, judging from his description of the fruit, though he has given the native name of another species

9. VALLARIS, Burm.

1. *V. Pergulana*, Burm. (A. DC. Prod. viii. p. 399, cum syn. ; Wight, Ic. t. 429.)—c.p. 2515.

HAB. Colombo, *Mr. W. Ferguson*.

2. *V. dichotoma*, Wall. (A. DC. l.c. p. 400 ; Wight, Ic. t. 438, cum syn.)—c.p. 2519.

HAB. Hot, drier parts of the island, at no great elevation.

The smaller foliage, and a slight difference in the shape of the corolla of the present plant, give it a somewhat distinct appearance from the preceding, but the two are so closely allied that it would perhaps be quite safe to consider them as mere

varieties of one species. The flowers of *V. Pergulana* have a disagreeable odour, but I do not remember whether the same character applies to those of *V. dichotoma*. I can discover no difference in the nectaries of the two plants.

10. HELIGME, Blume, Endl.

Parsonsia Sect. 2, A. DC.

1. *H. spiralis*.—*H. Rheedi*, Wight, Ic. t. 1303, cum syn. *Parsonsia spiralis*, Wallich; A. DC. Prod. viii. p. 402.—C.P. 1862.

HAB. Very abundant, up to an elevation of 3000 feet.

Flores virides, externe rufescentes

11. WRIGHTIA, R. Br.

1. *W. tomentosa*, R. et Sch. (A. DC. Prod. viii. p. 404, cum syn.; Wight, Ic. t. 413.)—C.P. 2691.

HAB. Central Province; not very uncommon.

Corolla flavida, rubro-tincta. *Corona* coccinea, brevis et obtusa 5-loba, lobis subcrenatis. *Flores* siccate cyaneo-nigrescentes

2. ? *W. Rothii*, G. Don, (A. DC. l. c. p. 406, cum syn.; Wight, Ic. t. 1319.) Var. β *puberula*.—C.P. 1837.

HAB. Damboul, *Gardner*.

Rami cum *foliis junioribus* puberuli. *Antheræ* dorso pilosæ.

This will probably prove to be distinct from *W. Rothii*, but my specimen is not sufficiently perfect to justify a new species being established upon it.

3. *W. angustifolia*, Thw.; *foliis* glabris, membranaceis, linearilanceolatis, obtusis, basi acutis, brevipetiolatis, *cymis* delicatulis; *floribus* minute pubescentibus, *corona* glabra, 5-partita; *lobis* linearibus, antheris oppositis æquilongisque, fere ad medium bifurcatis, segmentis simplicibus vel ad apicem parce laciniatis.—C.P. 1839.

HAB. Damboul and Trincomale, *Gardner*.

Folia $1\frac{1}{2}$ –4 poll longa, $\frac{1}{2}$ –2 poll lata, *petiolo* crasso 1 lin longo. *Pedicelli* tenues, semipollicares. *Calyci* $\frac{1}{4}$ lin. longus, lobis rotundatis, subacutis, ciliatis, *corollæ* tubo brevioribus. *Corollæ* lobi linear-oblongi, obtusi, 3 lin. longi. *Antheræ* dorso parum pilosæ

This much resembles *W. tinctoria*, R. Br. (C.P. 1838, 2385), but its much narrower and more membranaceous leaves, and very differently shaped corona, seem sufficiently to distinguish it from that species. Of the latter I have only garden specimens in the herbarium, and I have no evidence of its having been detected wild in the island, though it may be expected to occur so in the northern districts.

4. *W. Zeylanica*, R. Br. (A. DC. l. c. p. 407, cum syn.)—*W. antidysenterica*, R. Br.; A. DC. l. c. cum syn.—C.P. 1825.

HAB. Common in the south of the island. Nonn. vulg. "Sooddoo-idda."

Corolla alba, tubo glabro, lobis puberulis. *Corona* alba, antheris longior, plurilaciniata.

12. ALSTONIA, R. Br.

1. *A. scholaris*, R. Br. (A. DC. Prod. viii. p. 408, cum syn.; Wight, Ic. t. 422.)—C.P. 1840.

HAB. Common up to an elevation of 3000 feet. **Nom. vulg.** "Roo-kattana-gass."

The light wood of this tree is employed for making coffins

13. HOLARRHENA, R. Br.

1. **H. mitis**, R. Br. (A. DC. Prod. viii. p. 413.)—c p. 756

HAB. Not uncommon, up to an elevation of 1500 feet. **Nom. vulg.** "Kirri-walla-gass."

Arbor medocris Cymæ folio breviores, 5-12-flore Corolla alba

The wood of this tree is light in weight, of a pale colour, and fine, close grain, and is used for inlaying cabinet-work

14. CHONEMORPHA, G. Don.

1. **C. macrophylla**, G. Don, (A. DC. Prod. viii. p. 430, cum syn.; Wight, Ic. t. 432)—c p. 2167

HAB. Not very uncommon, up to an elevation of 2000 feet

15. AGANOSMA, G. Don

1. **A. elegans**, G. Don, (A. DC. Prod. viii. p. 433, cum syn.; Wight, Ic. t. 1301)—c.p. 1850.

HAB. Hot, drier parts of the island, not uncommon

Folliculi teretes, 5-9 poli longi, 2½ lin. lati, testaceo-pilosi, demum subglabri Semina glabra, luncari-oblonga, nigra, 7 lin. longa, 1½ lin. lata, brevi-rostrata, longe comosa

16. CLEGGIORNIA, Wight, Walpers

1. **C. acuminata**, Wight, Ic. t. 1310—*C. cymosa* Wight, Ic. t. 1312.—c p. 1861.

HAB. Common in the Central Province, at an elevation of 2000 to 5000 feet.

The two forms of this plant, described by Dr Wight under two specific names, are connected by intermediate ones, and have, therefore, no claim to be kept distinct.

17. ICHNOCARPUS, R. Br.

1. **I. frutescens**, R. Br. (A. DC. Prod. viii. p. 435, cum syn.; Wight, Ic. t. 430)—c p. 1863.

HAB. Common up to an elevation of 3000 feet. **Nom. vulg.** "Kirri-wel."

18. ANODENDRON, A. DC.

1. **A. paniculatum**, A. DC. Prod. viii. p. 444, cum syn.; Wight, Ic. t. 396.—c.p. 1843.

HAB. Common up to an elevation of 2000 feet. **Nom. vulg.** "Dool."

The fibre of the stem is very fine and strong, and is much used by the Cinghalese.

2. **A. rhinosporum**, Thw.; *glabra; foliis subcoriaceis, oblongis, utrinque plus minus abrupte angustatis, obtusis, subtus pallidioribus,*

inconspicue venosis; *cymis* terminalibus, delicatulis, valde divaricataramosis; *pedicellis* flore longioribus; *seminibus* rostro gracili æquilongis ornatis.—C.P. 2579.

HAB. Ambagamowa and Maturatte Districts; not common.

Folia 2-4 poll. longa, $\frac{1}{2}$ -1 $\frac{1}{2}$ poll. lata, *petiolo* 3-5 lin. longo. *Calyx* $\frac{1}{2}$ lin. longus, lobis ovatis, subacutis. *Corolla* flava, 3 lin. in exp. *Antheræ* sessiles. *Folliculi* 3-5 poll. longi. *Semina* glabra, minute rugulosa (rostr. excl.), 6 lin. longa ad apicem copiose comosa.

Vinca rosea, Laun, is become quite naturalized in the neighbourhood of Colombo and other places. *Plumeria acutifolia*, Poir, is also widely distributed, especially about Buddhist temples.

CIV. ASCLEPIADACEÆ.

1. HEMIDESMUS, R. Br.

1. **H. Indicus**, R. Br. (Decaisne in DC. Prod. vii. p. 494, cum syn.; Wight, Ic. t. 594)—C.P. 183 (1865).

HAB. Very abundant in the warmer parts of the island. Nom. vulg. "Eremoosoo."

The root of this plant (Indian Sarsaparilla) is much used medicinally by the Cinghalese.

2. CRYPTOLEPIS, R. Br.

(Blume, Mus. Bot. Lugd.-Bat. i. p. 146.)

1. **C. Buchanani**, Roem. et Sch. (Walp. Rep. vi. p. 474, cum syn.; Wight, Ic. t. 494)—C.P. 2548.

HAB. Common, up to an elevation of 3000 feet.

3. SECAMONE, R. Br.

1. **S. emetica**, R. Br. (Decaisne in DC. Prod. viii. p. 501, cum syn.; Wight, Ic. t. 1283)—C.P. 1851.

HAB. Not uncommon in the warmer parts of the island.

4. TOXOCARPUS, W. et A.

1. **T. Kleinii**, W. et A. (Decaisne in DC. Prod. viii. p. 505; Wight, Ic. t. 886)—C.P. 2578.

HAB. Maturatte District, at an elevation of 3000 feet; not common.

5. CYNOCOTONUM, Er. Mey., Decaisne.

1. **C. pauciflorum**, Decaisne in DC. Prod. viii. p. 528, cum syn.—*Cynanchum pauciflorum*, R. Br.; Wight, Ic. t. 354. An *C. pedunculatum*, Thunb. DC. Prod. viii. p. 548.—C.P. 2466.

HAB. Very common in the Central Province. Nom. vulg. "Kangkoombala."

The Cinghalese eat the young leaves of this and of many other plants of this Natural Family, in their curries.

6. CALOTROPIS, R. Br.

1. *C. gigantea*, R. Br. (Decaisne in DC. Prod. viii. p. 535, cum syn.; Wight, Illustr. ii. t. 155.)—C.P. 1831.

HAB. Hot, drier parts of the island. Nom. vulg. "Warra."

The fibre of this plant is very fine and strong. The milky juice is employed medicinally.

7. PENTATROPIS, R. Br.

1. *P. microphylla*, W. et A. (Decaisne in DC. Prod. viii. p. 536, cum syn.; Wight, Ic. t. 1282.)—C.P. 1830.

l. c. p. 548?—C.P. 1853.

HAB. Not uncommon in the warmer parts of the island.

8. SARCOSTEMMA, R. Br.

1. *S. Brunoniana*, W. et A. (Decaisne in DC. Prod. viii. p. 538; Wight, Ic. t. 1282.)—C.P. 1830.

HAB. Hot, drier parts of the island; common. Nom. vulg. "Moowa-keeriyā."

The stems are used medicinally.

9. OXYSTELMA, R. Br.

1. *O. esculentum*, R. Br. (Decaisne in DC. Prod. viii. p. 543, cum syn.)—C.P. 2837.

HAB. Hot, drier parts of the island.

10. DÆMIA, R. Br.

1. *D. extensa*, R. Br. (Decaisne in DC. Prod. viii. p. 544, cum syn.; Wight, Ic. t. 596.)—*Cynanchum echinatum*, Thunb. DC l. c. p. 459.—C.P. 1841.

HAB. Not uncommon in the warmer parts of the island.

11. TYLOPHORA, R. Br.

1. *T. carnosa*, Wall. (Decaisne in DC. Prod. viii. p. 607; Wight, Ic. t. 351.)—C.P. 1852.

HAB. Hotter parts of the island.

2. *T. cordifolia*, Thw.; volubilis, ramulis pilosulis; foliis glabris, cordatis, mucronatis, basi laminae parce glandulosis; petiolo superne pilosulo; pedunculis 1-2-floris, folio subaequilongis, cum floribus glabris; coronae stamineae radiatæ foliolis oblongis, truncatis, carnosiss, postice superneque parum productis et ibi lateraliter compressis; gynostegium convexum umbilicatum subaequantibus.—C.P. 717.

HAB. Common in the Central Province.

Folia 3-13 lin longa, 2-9 lin. lata; petiolo 1-1½ lin. longo. Calyx parvus, lobis ovatis, subacutis. Corolla fusco-purpurea, 4 lin in exp, lobis ovatis, subacutis. Corona staminea 1 lin. lata, flava. Folliculi saepius abortu solitarii, attenuati, glabri, bipollicares.

3. **T. micrantha**, Thw.—*T. Zeylanica*, Decaisne, l. c. p. 608. *Cynanchum micranthum*, Thunb. DC. l. c. p. 548.—c.p. 2517.

HAB. Central Province, at an elevation of 2000 to 4000 feet.

Folia 2½–5 poll. longa, 1½–3 poll. lata, *petiolo* ½–1 poll. longo. *Folliculi* elegantuli, glabri, 5 poll. longi

4. **T. fasciculata**, Ham. (DC. l. c. p. 608; Wight, Ic. t. 848).—c.p. 369.

HAB. Not uncommon in the Central Province, at an elevation of 4000 to 7000 feet.

Flores flavi, purpureo-tincti, vel omnino fusco-purpurei

5. **T. asthmatica**, W. et A. (DC. l. c. p. 611, cum syn.; Wight, Ic. t. 1277.)

Var. *a. pubescens*, DC. l. c.—c.p. 1857 (1858).

Var. *β. glabra*, DC. l. c.—An *Cynanchum flarens*, Thunb. et *C. bracteatum*, Thunb. DC. l. c. p. 549?—c.p. 1849 (1860)

HAB. Very abundant in the warmer parts of the island. Nom. vulg. “Binnooga.”

Folia ad apicem petioli sæpe parce glandulosa. *Flores* flavi, plus minus purpureo-tincti

A very variable plant as regards the shape of the leaves and the amount of pubescence. The natives employ the roots medicinally.

12. COSMOSTIGMA, Wight.

1. **C. racemosum**, Wight (DC. in DC. Prod. viii. p. 613, cum syn.; Wight, Ic. t. 591)—*C. acuminatum*, Wight, Ic. t. 1270.—c.p. 1854.

HAB. Warmer parts of the island; common.

13. MARSDENIA, R. Br

1. **M. tenacissima**, W. et A. (DC. in DC. Prod. viii. p. 616, cum syn.; Wight, Ic. t. 590)—c.p. 2860.

HAB. Hotter parts of the island; not very common.

14. GYMNEMA, R. Br.

1. **G. sylvestre**, R. Br. (DC. in DC. Prod. viii. p. 621, cum syn.; Wight, Ic. t. 349).—c.p. 2549.

Var. *β. Decaisneanum*.—*G. Decaisneanum*, Wight, Ic. t. 1271. *G. hirsutum*, DC. l. c. p. 622 (“non W. et A.,” Wight, l. c.)—c.p. 1844.

HAB. Not uncommon, up to an elevation of 3000 feet.

2. **G. rotundatum**, Thw.; volubilis; *ramulis junioribus* tomentosis; *foliis* ovato-rotundatis, obtuse acuminatis, superne pilosulis, ad apicem petioli pluri-glandulosis, subtus cum *petiolo* longiusculo brevi-tomentosis; *pedunculis* petiolo duplo brevioribus; *umbellis* geminatis, confertifloris; *stigmatibus* conico staminibus longiore; *folliculis* attenuatis, glabris.—c.p. 3086.

HAB. Central Province, at an elevation of 3000 feet.

Folia 2–4 poll. longa, 1½–3 poll. lata; *petiolo* ¾–1½ poll. longo. *Pedicelli* flore duplo longiores. *Calycis lobis* oblongo-rotundati, pilosi. *Corolla* flava, calyce duplo longior.

3. **G. lactiferum**, R. Br. (DC. l. c. p. 622, cum syn.)—*G. Zeylanicum*, Decaisne, l. c.—c.p. 2580.

Var. β ; *foliis* subtus molliter parce pubescentibus.—c.p. 1847.

HAB. Not uncommon, up to an elevation of 3000 feet.

Folliculi (var. α) lanceolati, $3\frac{1}{2}$ poll. longi, $\frac{3}{4}$ poll. in lat. max., obtusi, sæpius abortu solitarii, juniores ovati vel oblongi.

15. BIDARIA, Endl.

1. **B. pergularioides**, Thw.; volubilis; *ramulis* cum *petiolis*, *pedunculis* *pedicellis*que pubescentibus; *foliis* subglabris, ellipticis vel oblongis, plus minus acuminatis, basi acutis vel rotundatis, ad apicem petioli glandulosi; *pedunculis* petiolo subæquilongis; *pedicellis* brevibus; *folliculis* linearis-lanceolatis, valde attenuatis, puberulis, denique subglabris.—*Gymnema pergularioides*, Wight et Gardner, MSS.—An *Cynanchum cuspidatum*, Thunb. DC. l. c. p. 518?

Var. α ; *corollæ* tubo lobis calycinis 2-3-plo longiore; *folliculis* longiusculis.—c.p. 2671, 2672.

Var. β , *foliis* minoribus, firmiter, *corollæ* tubo lobis calycinis vix longiore; *folliculis* brevioribus.—c.p. 1818.

Folia $1\frac{1}{2}$ -6 (var. β , 1-2) poll. longa, $\frac{1}{2}$ -2 poll. (var. β , 3-10 lin.) lata; *petiolo* 2-7 lin. longo. *Pedicelli* corollæ tubo subæquilongi. *Calycis* lobi ovati, subæanti. *Corollæ* flava, sæpius plus minus rubro-tincta, 3-4 (var. β , 2-3) lin. in exp., lobis ovato-lanceolatis. *Folliculi* 5-6 (var. β , cæteris 3) poll. longi, 3 lin. lati.

This variable species is evidently very closely allied to *B. elegans*, Decaisne.

16. LEPTADENIA, R. Br.

1. **L. reticulata**, W. et A. (Decaisne in DC. Prod. viii. p. 628, cum syn., Wight, Ic. t. 350)—An *Cynanchum ovatum*, Thunb. DC. l. c. p. 518?—c.p. 1816.

HAB. Anooradhapoora, Gardner.

17. HETEROSTEMMA, W. et A.

1. **H. Tanjorensis**, W. et A. (DC. in DC. Prod. viii. p. 630; Wight, Ic. t. 318)—c.p. 1856 (1859).

HAB. Central Province, up to an elevation of 4000 feet.

18. DISCHIDIA, R. Br.

1. ? **D. nummularia**, R. Br. (DC. in DC. Prod. viii. p. 632, cum syn.)

I have a drawing, made some years ago, from a plant collected in the island, which is either *D. nummularia* or a species very closely allied to it, but unfortunately the specimen was not preserved, nor is the particular locality in which it was found recorded.

19. HOYA, R. Br.

1. **H. ovalifolia**, W. et A. (Wight, Ic. t. 847.)—c.p. 2670.

HAB. Not very uncommon in the Ambagamowa District, at no great elevation.

Folia ad apicem petioli glandulosa. *Flores* albi, plus minus rubro-tincti.

2. **H. Wightiana**, Thw.; volubilis; foliis glabris, carnosis, linearilanceolatis, acumatis, obtusis, basi angustatis; pedunculis brevibus, multifloris; corollæ lobis ovatis, parce acuminatis, obtusis, minute papillois; corone stamineæ parum depressa, foliolis obovatis, obtusis, interne acutis.—c.p. 2762.

HAB. Central Province, at an elevation of 3000 to 5000 feet.

Folia 1-3 poll longa, 2-5 lin lata, petiolo purpurascens, 1-3 lin. longo Pedicelli glabri, 6 lin longi Calyx minutus, glaber Corolla alba, 6-7 lin. in exp. Corona staminea purpurea, 2 lin in exp

A very beautiful species, bearing considerable resemblance to the figure of Dr Wight's *H. pauciflora* (*H. pauciflora* in desc.) Ic t 1269, and its more numerous flowers and obtusely-pointed leaves seem to be the principal points of distinction

3. **H. viridiflora**, R Br. (DC l c p. 639, Wight, Ic. t. 586.)—c.p. 1855

HAB. Common, up to an elevation of 3000 feet Nom. vulg. "Kirriangoona."

The leaves of this species are eaten by the Cinghalese

29. CEROPEGIA, Linn

1. **C. elegans**, Wall. (Bot. Mag t. 3015, DC in DC Prod. vi p. 612, Wight, Ic t 1265)—*C. splendens*, W et A; DC. l c. p. 643. *C. Mysorensis*, Wight, Ic. t 816 *C. Walkei*, Wight, Ic. t. 1266—c.p. 738

HAB. Not uncommon, up to an elevation of 3000 feet

This and the other species of the genus are very variable as regards the shape and size of the leaves and colour of the flowers, and far from constant in the shape and size of the latter.

2. **C. Gardneri**, Thw.; volubilis, glabra, foliis lanceolatis, acumatis; pedunculis petiolo subæquilongis, paucifloris, calycis lobis linearibus, acutis, corollæ ad tubi basin parum inflata, supra medium subito valde amplata, apice aperte 5-crenata, margine ciliata; corone stamineæ lobis exterioribus linearibus, acutis; interioribus multo longioribus latioribusque et apice reflexis; folliculis longiusculis, teretibus—c.p. 2838.

HAB. Rambodde, at an elevation of 1000 to 5000 feet, Gardner.

Pedicelli pedunculo subæquilongi Corolla alba, purpureo-maculata, cincta 2 poll longa, 1½ poll. in exp Folliculi (immaturi) 7 poll longi, 2 lin lati

A very pretty species, allied to the preceding, but it can scarcely be a variety of it.

3. **C. Thwaitesii**, Hook. Bot. Mag. t. 4758.—c.p. 1842.

HAB. Central Province; not very common.

This will possibly prove to be a small variety of *C. Decasneana*, Wight, Ic. t. 1259, to which it is evidently very closely allied.

4. **C. candelabrum**, Linn. (DC. l. c. p. 643, cum syn.)—*C. intermedia*, Wight, Ic. t. 1263.—c.p. 774.

HAB. Hotter parts of the island; not uncommon.

An extremely variable species, and I suspect that several Indian plants, described as distinct species, will be discovered to be mere varieties of it.

21. **CARALLUMA**, R. Br.

1. ***C. attenuata***, Wight, Ic. t. 1268.—An *C. adscendens*, R. Br.; DC. in DC. Prod. viii. p. 647, cum syn. p.—c.p. 3304.

HAB. On rocky ground at Ooma Oya, on the lower road from Kandy to Badulla, at no great elevation.

My specimens of this plant so much resemble Roxburgh's figure of *S. adscendens* in Pl. Cor t 30, that it seems not improbable that the ribs were accidentally absent, or overlooked in the corolla of his specimen.

22. **BOUCEROSIA**, W. et A.

1. ***B. umbellata***, W. et A (DC in DC. Prod. viii. p. 648, cum syn.; Wight, Ic. t. 495)—*B. campanulata*, Wight, Ic. t. 1287.—c.p. 2861.

HAB. Rocks near Kornegalle.

Asclepius curassavica, Linn, is become quite naturalized and distributed throughout the island

CV. **LOGANIACEÆ**.1. **MITRASACME**, Labill.

1. ***M. Indica***, Wight, Ic. t. 1601; Bentham in Linn. Soc. Proc. 1. p. 92, cum syn.—c.p. 1677.

HAB. Common in the warmer parts of the island.

2. **FAGRÆA**, Thunb

1. ***F. Zeylanica***, Thunb. (DC Prod ix p. 29, cum syn.; Blume, Rumphia, t 78 fig 2) *Solanandra oppositifolia*, Moon's Cat. p. 15.

HAB. Central Province, not common. Nom. vulg "Atambooroo-gass."

2. ***F. obovata***, Wall in Roxb. Fl Ind ii p. 33; DC. l. c.—*F. Malabarica*, Wight, Ic. t. 1317. - c.p. 757

HAB. Central Province, at an elevation of 2000 to 5000 feet.

This differs from *F. Zeylanica* in its more scandent habit, much shorter flowers, and more oblong fruit, but in other respects they are very closely allied. In both, the *placentæ* are distinct, not, as in the following species, cohering in the centre of the ovary.

3. ***F. Gardneri***, Thw.; scandens; *foliis* majusculis, coriaceis, glabris, subvenis, obovato-cuneatis, apice rotundatis, basi truncatis, brevipetiolatis; *petiolo* parum stipulaceo; *corolla* late infundibuliformi; *tubo* calyce circiter 3-plo longiore, *placentis* in medio ovarii coherentibus.—c.p. 1826.

HAB. Hantani, in the Central Province, at an elevation of 3000 to 4000 feet.

The present species has weaker, more scandent branches, than the preceding. Its leaves have a more crowded appearance, and the calyx is larger, with its pair of bracteoles at its immediate base, instead of halfway down the pedicel, as in the preceding. The two plants are, however, very closely allied, and their flowers are very similar in general appearance. The somewhat coriaceous flowers of all three species are of a yellowish-white colour, the fruit is shining and glaucous.

3. **STRYCHNOS**, Linn.Sect. 1. *Scandentes*.

1. **S. minor**, Blume, (A. DC. Prod. ix. p. 14; Benth. in Journ. Linn. Soc. Bot. i. p. 100.)—c.p. 187.

Var. δ . *parvifolia*, Benth. l.c.—c.p. 341.

HAB. Var. α . Warmer parts of the island. Var. δ . Central Province, up to an elevation of 6000 feet.

2. **S. colubrina**, Linn. (A. DC. l.c., Benth. l.c. p. 101.)—c.p. 2516.

HAB. Hot, drier parts of the island, not uncommon.

Rami juniores parce puberuli, cito glabrati. *Folia* sæpe ad basin sub-5-nervia. *Corollæ lobis* interne versus apicem pilis paucis rigidis erectis ornati.

Distinguished from the preceding by its pentamerous flowers and larger fruit, as indicated by Mr Bentham. I have never seen the fruit nearly so large as it is represented by Rheede, but have never met with it quite mature. The leaves of the present species are most frequently somewhat 5-nerved at the base, owing to the distinctness of the submarginal nervure.

3. **S. laurina**, Wall. (A. DC. l.c. p. 13; Benth. l.c. p. 102.)—c.p. 3540.

HAB. Galle, Kornegalle, and other of the warmer parts of the island.

Nuculanæ (minutæ) pollicariæ.

4. **S. cinnamomifolia**, Thw., glabra, *cirrhis* simplicibus; *foliis* oblongis, rostrato-acuminatis, obtusis, basi acutis, triplinerviis; *cymis* terminalibus, pedunculatis, trichotomis, folio brevioribus; *corollæ lobis* glabris; *nuculanis* majusculis, sphaericis, polyspermis.—c.p. 1867.

HAB. Hantani District, at an elevation of 3000 feet. Nom. vulg. "Atta-kirindi-wel."

Folia 2½-4 poll longa, 1½-1¾ poll lata, petiolo 2-3 lin longo. *Cymæ* terminalis, ramulos breves terminantes. *Corollæ* albidæ, tubo interne infra medium sparse piloso, 4-5 lin longo, *lobis* 1½ lin longis. *Nuculanæ* cæteris 3 poll. in diam. *Semina* pollicaria.

This large climbing plant much resembles Blume's figure of *S. Tiente*, Lesch., Rumphia, t. 24, and would seem also to have many characters in common with *S. ovalifolia*, Wall., but in these latter the inflorescence is axillary, whilst in the present species it terminates the small ramuli; as in *S. nut-vomica*. From the last-named species the present differs in, besides its scandent habit, having narrower, more acuminate leaves, and larger flowers.

Sect. 2. *Arborescentes*.

5. **S. nux-vomica**, Linn. (A. DC. l.c. p. 15, cum syn.)—c.p. 2839.

HAB. Hotter parts of the island. Nom. vulg. "Goda-kadooroo-gass."

Corollæ interne infra medium pilosa. *Nuculanæ* sæpe 1-2 sperma.

6. **S. potatorum**, Linn. f. (A. DC. l.c. cum syn.; Wight, Illustr. ii. t. 156.)—c.p. 1866, 3367.

HAB. Hot, drier, and especially the northern parts of the island. Nom. vulg. "Ingini-gass."

4. **GÆRTNERA**, Lam.

1. **G. rosea**, Thw. (Benth. in Linn. Soc. Proc. i. p. 111.)—c.p. 2673.

HAB. Ambagamowa and Saffragam Districts, up to an elevation of 2000 feet.

Frutex glaber, 8-10-pedalis. *Ramuli* bicostati. *Folia* elliptico-vel ovato-lanceolata, longe acuteque acuminata, basi in petiolum brevem angustata, $1\frac{1}{2}$ -3 poll. longa, $\frac{1}{2}$ -1 $\frac{1}{2}$ poll. lata. *Stipule* carinatae, biaristatae, in tubum coalitae. *Flores* terminales, terni, sessiles ad apicem *pedunculi* brevis vel subnulli. *Calyx* tubulosus, 1 lin. longus, irregulariter 4-6-denticulatus. *Corolla* 8-10 lin. longa, externe rosco-purpurea, lobis 4, linearibus, tubo multum brevioribus. *Antherae* 4, oblongae, subsessiles. *Nuculana* subsphaerica, pallide cyanea, 4-5 lin. in diam.

2. **G. Walkeri**, Wight, Illust. n. t. 156 b; Bentham, l. c. (*partim*).—*Sykesia Walkeri*, Arn. Pug. 36, 354; DC. Prod. ix. p. 35.—c.p. 288.

HAB. Central Province, at an elevation of 3000 to 6000 feet.

Frutex 8-10-pedalis. *Ramuli* teretes, glabri. *Folia* $1\frac{1}{2}$ -4 poll. longa, $\frac{1}{2}$ -1 $\frac{1}{2}$ poll. lata, petiolo 2-5 lin. longo. *Stipule* coalitae, truncate vel brevi-acuminatae et apice bifidae. *Cymae* terminales, glabrae, saepius 5-florae, folio subaequilongae. *Nuculana* subsphaerica, cyanea.

3. **G. Gardneri**, Thw., *ramulis* teretibus, minute puberulis; *foliis* glabris, anguste lanceolatis, acute acuminatis, basi acutis, brevi-petiolatis; *stipulis* longe coalitis, parum acuminatis bifidisque; *cymis* puberulis, saepius 3-floris et folio brevioribus, floribus erectis.—c.p. 346 (363).

HAB. Central Province, at an elevation of 5000 to 7000 feet.

Frutex 8-10-pedalis. *Folia* 1-2 $\frac{1}{2}$ poll. longa, 2-5 lin. lata. *Flores* fructusque fere ut in precedente sed pauci majores.

The puberulous ramuli and inflorescence, differently-shaped leaves, fewer-flowered cymes, and rather larger flowers and fruit, distinguish this from the preceding species, to which it is very closely allied.

4. **G. ternifolia**, Thw.: *foliis* ternis, parvis, glabris, rigidulis, linearibus, mucronatis, utrinque acutis, evenius, brevi-petiolatis; *floribus* terminalibus, solitariis, pedicellatis, cernuis.—*G. Walkeri*, var. *angustifolia*, Benth. l. c. (*partim*).—c.p. 440 (157).

HAB. Ambagamowa District, near Adam's Peak, at an elevation of 4000 to 5000 feet.

Frutex 1-6-pedalis. *Ramuli* puberuli, 3-costati. *Folia* 4-7 lin. longa, $\frac{1}{2}$ -1 lin. lata, costa subtus prominente. *Stipulae* breves, acuminatae, basi coalitae. *Pedicelli* folio breviores, puberuli. *Calyx* brevi-campanulatus, acute 5-dentatus, puberulus, basi bracteolatus. *Corolla* alba, 5-6 lin. longa, parum campanulata, externe glabra, tubo intus superne villosulo, lobis longiore. *Filamenta* corollae tubi medio affixa, *antheras* oblongas, exsertas aequantia. *Nuculana* subsphaerica, cyanea, 4 lin. in diam.

A very beautiful and very distinct species.

5. **G. Koenigii**, Wight, l. c. t. 1318; Benth. l. c. p. 112.—*G. acuminata*, Benth. l. c.; *Sykesia Koenigii*, Arn. Pug. 35 (353); DC. l. c.—c.p. 544.

Var. β . *thyrsiflora*.—*G. thyrsiflora*, Blume, Mus. Bot. i. p. 174; Benth. l. c. *G. oxyphylla*, Benth. l. c. *Sykesia thyrsiflora*, Arn. l. c.; DC. l. c.—c.p. 3342.

HAB. Var. α . Very abundant up to an elevation of 3000 feet. Var. β south of the island, at no great elevation.

The somewhat smaller leaves and flowers, and the elongated and often depauperated cymes of var. β , appear to me to be the only characters to separate it from var. α .

CVI. GENTIANACEÆ.

TRIBE I. GENTIANEÆ.

1. EXACUM, Linn.

Sect. 1. *Pseudochironia*, Griseb.

1. **E. Zeylanicum**, Roxb (Griseb. in DC. Prod. ix. p. 45, cum syn.; Hook. Bot. Mag. t. 4423)—*Chironia trinervia*, Linn.; Moon's Cat. p. 16.—c p. 512

Var. β ; *floribus minoribus pallidioribusque; antheris brevioribus*.—*E. Ramboddianum*, Gardn MS.—c p. 38

HAB. Common in damp, grassy places, up to an elevation of 5000 feet. Nom. vulg. "Bindara."

Caulis plus minus tetragonus vel subteres. *Folia* ovata vel anguste lanceolata, utrinque plus minus acumina. *Antheræ* var α circiter 3 lin (var β $1\frac{1}{2}$ lin) longæ.

At one time I considered, as did Dr Gardner, var α and β distinct species, but after the examination of very numerous specimens, I am unable to find any essential permanent character to separate them.

2. **E. macranthum**, Arn (Griseb. l. c. p. 46; Hook. Bot. Mag. t. 4771.)—*E. ovale*, Griseb. l. c.—c p. 1877.

HAB. Central Province, at an elevation of 5000 to 7000 feet

Caulis teres vel parum tetragonus. *Corollæ* purpureæ, lobis rotundatis, plus minus acumina. *Antheræ* 4-5 lin longæ.

This beautiful plant differs from the preceding only in the deep purple colour of its larger flowers and the greater size of their anthers, and it might safely perhaps be considered a mere mountain variety of it.

3. **E. Walkeri**, Arn. (Griseb. l. c. p. 45)—c.p. 1878

HAB. Central Province, at an elevation of 5000 to 6000 feet.

Caulis tetragonus, ad nodos minute glandulosus. *Corollæ* alba

4. **E. axillare**, Thw.; *caule* parum procumbente, 4-alato; *foliis* 3-nerviis, ovato-lanceolatis, utrinque acumina, *pedicellis* axillaribus, solitariis, calyce brevioribus, *floribus* 4-meris. *calyce* late alato; *corollæ* lobis lanceolatis, acumina.—c p. 2998

HAB. Near Hewessee, in the Pasdoon Corle, at no great elevation.

Folia membranacea, $1\frac{1}{2}$ -3 poll longa. *Calyci* semipollicaris, *alis* membranaceis, laxè venosis. *Corollæ* cyanea, lobis $\frac{1}{2}$ poll longis

Sect. 2. *Pseudoschæa*, Griseb.

5. **E. pedunculatum**, Linn. (Griseb. l. c. p. 46, cum syn.; Wight, Ic. t. 336.)—c.p. 1876.

HAB. Hotter parts of the island, not uncommon.

Corollæ pallide cyanea vel alba.

6. **E. sessile**, Linn. (Griseb. l. c. p. 47, cum syn.; Wight, Ic. t. 1324, f. 1.)—c.p. 250.

HAB. Common in grassy places, up to an elevation of 2000 feet.

Corollæ cyanea vel alba

2. *PLADERA*, Roxb.

1. *P. pusilla*, Roxb. (Griseb. in DC. Prod. ix. p. 63, cum syn.)—*Cicendia fastigiata*, Griseb. l.c. p. 62.—c. p. 2840.

HAB. Common in damp, grassy places, in the hotter parts of the island.

3 *CANSCORA*, Lam.

1. *C. diffusa*, R. Br. (Griseb. in DC. Prod. ix. p. 64, cum syn.)—c. p. 2841.

HAB. Central Province, at an elevation of 2000 to 4000 feet.

2. *C. decussata*, Rœm. et Sch. (Griseb. l.c. cum syn.)—c. p. 2400.

HAB. Not uncommon in the Central Province, on the borders of paddy-fields, up to an elevation of 4000 feet

3. *C. sessiliflora*, Rœm. et Sch. (Griseb. l.c. cum syn.)—c. p. 3581.

HAB. Batticaloa District, not common

4. *C. perfoliata*, Lam. (Griseb. l.c. p. 65, cum syn.; Wight, Ic. t. 1327, f. 2.)—c. p. 1874.

HAB. North of the island, *Gardner*

4 *SLEVOGTIA*, Reich

1. *S. orientalis*, Griseb. in DC. Prod. ix. p. 65, cum syn.—c. p. 1871

HAB. Hotter parts of the island, especially near the sea

5 *GENTIANA*, Tournef

1. *G. pedicellata*, Wall. (Griseb. in DC. Prod. ix. p. 107, cum syn.; Wight, Ic. t. 1328)—*G. Zeylanica*, Griseb. l.c. p. 108—c. p. 1873

HAB. Abundant amongst grass, at Newera Elia and other of the most elevated parts of the island

6 *CRAWFURDIA*, Wall

Tripterospermum Blume

1. *C. fasciculata*, Wall. (Griseb. in DC. Prod. ix. p. 120, cum syn.; Hook. Bot. Mag. t. 1838)—Var. β *Champtoni*, *Tripterospermum Champtonii*, Gardn. MS.—c. p. 137.

HAB. Horton Plains, in the Central Province, at an elevation of 7000 feet.

Corolla cylindrico-campanulata 1 poll longa, 6 lin in exp., omnino flavo-viridis vel margine phaeisque purpureis *lobus* carnosus, ruber, stipite aequilongo concolore. *Placentæ* duæ. *Semina* triserialia, libera, acute trigona, brunnea

The present plant corresponds in so many respects with the figure and description of *C. fasciculata*, that there can scarcely be a doubt of its being a variety of that species. It has, however, essentially the characters of the genus *Tripterospermum* of Blume, and I suspect that the fruit of *Crawfordia* must have been inaccurately described from dried specimens.

7. OPHELIA, Don.

1. **O. Zeylanica**, Griseb. in DC. Prod. ix. p. 124.—c.p. 1875.

HAB. Central Province, in grassy places, at an elevation of 6000 to 7000 feet.

Corolla cyaneo-purpurea, *foveis* orbicularibus ad marginem longe radiato-fimbriatis.

TRIBE II MENYANTHEÆ

8. LIMNANTHEMUM, Gmelin.

(Nom. vulg. "Oloo," "Ambala")

1. **L. Indicum**.—*Menyanthes Indica*, Linn. Sp. Pl. cum syn. (non Griseb.)—c.p. 3152

Var. *α. stamineum*; *styl. staminibus* multo brevior. — *L. Klemianum*, Griseb. in DC. Prod. ix. p. 139, cum syn.

Var. *β. stylosum*; *styl. linear.*, *staminibus* longior. — *L. Wightianum*, Griseb. l. c.

HAB. Common in the warmer parts of the island.

Between the forms *α* and *β* of the present plant I can find no difference, except in the relative length of the stamens and style, and, as there are instances of an exactly corresponding kind amongst the *Rubiaceæ* and *Erythroxyleæ*, and I believe also in the *Oxalidaceæ*, this difference is scarcely sufficient to found a specific character upon. The seeds in both forms are delicately muricated, or frequently nearly smooth. As regards the figure in Rumph. Amb. lib. xi. t. 72. f. 3, quoted by Linneus, it would seem to me that, taken in connection with the description in page 173 of the same volume, there can be but little doubt of its being intended for the plant now under consideration, although Grisebach refers it to a species closely allied to, if it indeed be more than a state of *L. cristatum*.

2. **L. cristatum**, Griseb. l. c. cum syn.; sed Rheede, Hort. Mal. xi. p. 57. t. 29 (non p. 55. t. 28)—An *L. Indicum*, Griseb. l. c. quoad descript. ?—c.p. 1870.

HAB. Abundant in the hotter parts of the island.

3. **L. Moonii**, Thw.; *foliis* parvis, *radicalibus* (sterilibus) deltoideis vel trapezoides, *petiolo* plus minus elongato, *caulinis* (st. floriferis) cordato-orbiculatis vel obovatois, *pedicellis* 2-5-neris; *floribus* parvis, 4-meris; *corollæ lobis* fimbriatis, disco versus apicem sparse pilosis; *glandulis* minutis, penicillato-pilosis; *seminibus* minute muricatis vel sublaevibus.—*Menyanthes campestris*, Moon's Cat. p. 13. An *Villarsia parvifolia*, Wall. Cat. ?—c.p. 2842.

HAB. Not uncommon in the south of the island, growing in the water or on wet ground.

Folia $\frac{1}{2}$ –1 poll. in diam. *Floræ* albæ, creiter $\frac{1}{2}$ lin. in exp.

Nearly allied to the preceding species.

4. **L. biflorum**, Thw.; *caulis* elongatis, supericibus, v. parce ramosis plurinodis; *nodis* monophyllis; *foliis* cordato-orbicularibus, subtus glanduloso-punctatis; *petiolo* longiusculo, basi vaginante; *pedicellis* elongatis, serpius binis, in axilla bractææ oblongæ, subacutæ, folio oppositæ; *calycis segmentis* ovatis, acutis; *corolla* glabra, lutea, calyce duplo longiore, ad faucem glandulis 5 minutis pilosis staminibus alternantibus munita; *lobis* margine fimbriatis; *capsula*

polyserma; seminibus subsphæricis, opacis, punctulatis.—*Menyanthes biflora*, Moon's Cat. p. 13. An *L. Forbestianum*, Griseb. l. c. P.—c. P. 1869.

HAB. South of the island

This is probably *L. Forbestianum*, Griseb, in part; but it does not quite agree with the characters given of the flower of that species, nor does the author notice the very different habit the present plant exhibits to that of the other species of the section, the stem simply elongating, at each innovation, by the production of a single shoot at its apex, instead of producing, as in the other species (in addition to the fascicle of flower-pediceles), a sessile offset developing its own roots, and a succession of petioled, floriferous leaves, (perhaps more correctly termed petiole-like stems,) each terminated by a single leaf

CVII. BIGNONIACEÆ.

1. CALOSANTHES, Blume.

1. *C. Indica*, Blume, (DC. Prod. ix. p. 177, cum syn.; Wight, Ic. t. 1337, 1338)—c. P. 3171

HAB Very common, up to an elevation of 2000 feet. Nom. vulg. "Totilla-gass."

2. SPATHODEA, Beauv.

1. *S. Rheedii*, Wall (DC. Prod. ix. p. 206, cum syn.; Wight, Ic. t. 1339)—c. P. 3170.

HAB Hotter parts of the island. Nom. vulg. "Deya-danga-gass."

3. STEREOSPERMUM, Cham.

1. *S. chelonoides*, DC. Prod. ix. p. 210, cum syn.; Wight, Ic. t. 1341.—c. P. 1959

HAB Very abundant near the sea, and occurring up to an elevation of 2000 feet. Nom. vulg. "Loonoo-madala-gass."

S. suaveolens, DC (c. P. 1960), is sometimes to be found in the neighbourhood of Buddhist temples, in the south of the island, but I cannot hear of its occurring truly wild. Its roots are much valued by the natives as a tonic medicine, and they attribute the same properties and give the same name ("Palol") to those of *Spathodea adenophylla*, which is occasionally found in gardens.

Meltingtonia hortensis is very common, but in or near cultivated ground, and I have no evidence of its being really wild.

CVIII. CYRTANDRACEÆ.

1. ÆSCHYNANTHUS, Jack.

1. *Æ. Zeylanica*, Gardn. in Calcutta Journ. vol. vi. p. 474; Wight, Ic. t. 1347.—An *Æsch. Perrottetii*, A. DC. Prod. ix. p. 261, var. ?—c. P. 1782.

HAB. Central Province, at an elevation of 4000 to 6000 feet.

My specimens differ from the description of *Æ. Perrottetii* principally in the leaves being narrower, and acute at the base, and in the corolla being externally sprinkled with glandular hairs.

2. DIDYMOCARPUS, Wall.

1. **D. Zeylanica**, R. Br. in Pl. Jav. Rar. p. 119, DC. Prod. ix. p. 266. — *D. longipetiolata*, Gardn. in Calc. Journ. vi. p. 175; Walp. Ann. iii. p. 96.—c.p. 352 (395, 1783).

HAB. Ambagamowa District, near Adam's Peak, at an elevation of 5000 to 6000 feet.

Folia basi cordata vel rarius subacuta, *petiolo* brevior, aequilongo vel 2-3-plo longiore, basi sæpe infescente *Pedunculi pedicellique* rubri *Calyc* flavo-rufescens, *lobis* linear-lanceolatis, obtusis *Corolla* alba, *tubo* cyaneo-purpureo *Stamina* sterilia clavata *Stigma* oblique orbiculare, album

2. **D. Humboldtiana**, Gardn. l. c. p. 477; Walp. l. c.; Hook. Bot. Mag. t. 4757.—c.p. 1784

Var. β . *D. primulaefolia*, Gardn. l. c. p. 478; Walp. l. c.; Hook. Bot. Mag. t. 5161.—c.p. 1785

HAB. Common in damp, rocky places in the Central Province and elsewhere, up to an elevation of 5000 feet.

This is a most variable species, and there appears to me to be no permanent character to distinguish *D. primulaefolia* from *D. Humboldtiana* and I think it is not improbable that *D. tomentosa*, *D. ovalifolia*, and *D. Rothliana*, are some or all of them, varieties of the present plant

3. **D. floccosa**, Thw., subcaulis, *foliis* 3-4-nis, ovatis, crenulatis, superne tomentosis, subtus pallide fulvo-floccosis, apice rotundatis vel parum acutis, basi in *petiolum* alatum, plus minus elongatum angustatis; *cymis* compactis *pedunculoque* floccoso-tomentosis, *lobis calycinis* linearibus, subacutis, *corollæ tubo* valde ventricoso, ore contracto; *limbo* patulo, subæqualiter rotundatum 5-lobis; *ovario* glandulis sessilibus pilisque brevibus consperso. — c.p. 3368

HAB. Dolosbage, in the Central Province, at an elevation of 2000 feet.

Flores pallide purpureæ, 6-7 lin in exp

This is principally distinguished from the preceding by the different character of its pubescence, its larger foliage, more compact cymes, and the more contracted throat of the corolla

3 CHIRITA, Ham.

1. **C. Moonii**, Gardn. in Calc. Journ. vi. p. 179, Hook. Bot. Mag. t. 4405; Walp. Ann. iii. p. 98.—*Martynia lanceolata*, Moon's Cat. p. 45.—c.p. 1789.

HAB. Four Corles, Moon; Hantani, at an elevation of 3000 to 4000 feet.

2. **C. Walkeri**, Gardn. l. c. p. 480; Hook. Bot. Mag. t. 4327; Walp. l. c.—c.p. 2843.

Var. β ; minus pubescens; *floribus* minoribus.—c.p. 542.

HAB. Var. α . Raxawa and Newera Elha, up to an elevation of 7000 feet. Var. β . Reigam Corle, at no great elevation.

Var. β *Calyc* 3-4 lin longus *Corolla* pollicaris, pallide purpurea. *Anthera* barbata (sicut in var. α)

3. **C. Zeylanica**, Hook. Bot. Mag. t. 4182; Walp. Rep. vi. p. 522.—*C. communis*, Gardn. l. c. p. 481; Walp. Ann. iii. p. 98.—c. p. 1788.

Var. β ; *foliis* lanceolatis, utrinque acutis, minus pubescentibus; *venis primariis* paucioribus; *floribus* parum minoribus pallidioribusque.—c. p. 3437.

HAB. Var. α Common in damp forests, up to 5000 feet. Var. β . At the edge of a rivulet in the Singherajah Forest between Galle and Ratnapoora.

4 KLUGIA, Schlecht.

1 **K. Notoniana**, DC. Prod. ix. p. 276, cum syn.; Wight, Ic. t. 1353; Gardn. in Calc. Journ. vi. p. 487.—*K. glabra*, Gardn. l. c. p. 489.—c. p. 1787, 3369.

HAB. Common in the Central Province, on rocks and banks in running streams, up to an elevation of 6000 feet. Nom. vulg. "Deyaucla."

2. **K. Zeylanica**, DC. l. c., Gardn. l. c. p. 490, Hook. Bot. Mag. t. 4620.—c. p. 1786.

HAB. In similar situations with the last.

Precedenti valde affinis, a qua *foliis floribusque* minoribus, et *lobis calycinis* inter se æqualiter cernatis, solius differre videtur. Varietates forsitan species unica.

5 EPITHEMA, Blume

1 **E. carnosum**, Benth. (DC. Prod. ix. p. 288.)—*E. Zeylanica*, Gardn. in Calc. Journ. vi. p. 492, Wight, Ic. t. 1354.—c. p. 2844.

HAB. Common on damp rocks, in the Central Province, up to an elevation of 5000 feet.

Corolla pallide cyaneo-purpurea

6. ISANTHERA, Nees

1. **I. permollis**, Nees in Trans. Linn. Soc. xvii. p. 82; DC. Prod. ix. p. 279, Wight, Ic. t. 1355.—*I. floribunda*, Gardn. in Calc. Journ. vi. p. 483; Walp. Ann. iii. p. 99.—c. p. 1670.

HAB. In damp forests, up to an elevation of 4000 feet.

Corolla alba. *Antheræ* flavæ

7. CHAMPIONIA, Gardn.

(Calc. Journ. vi. p. 485; Walp. Ann. iii. p. 96)

1. **C. reticulata**, Gardn. l. c.; Walp. l. c.—c. p. 358.

HAB. Saffragam District, at an elevation of about 3000 feet; not uncommon.

Caulis erectus, 6-12-pollicaris. *Folia* 2-7 poll. longa, $\frac{3}{4}$ -1 $\frac{1}{2}$ poll. lata, *petiolo* $\frac{1}{4}$ -1 $\frac{3}{4}$ poll. longo. *Pedunculi* sæpe folio longiores, solitarii vel bini. *Flores* 4-5 lin. in exp.

CIX. SESAMEÆ.

1. SESAMUM, Linn.

1. **S. Indicum**, Linn. (DC. Prod. ix p. 250, cum syn.; Wight, Illust. ii. t. 163.)—c.p. 2023.

HAB. Jaffna, Garduer; Trincomale, Rev. S. O. Glenie. Nom. vulg. "Tel-talla."

Cultivated in the hot, drier parts of the island, for the sake of the oil yielded by the seeds.

2. PEDALIUM, D Roy.

1. **P. Murex**, Linn. (DC. Prod. ix. p. 256)—c.p. 1779.

HAB. Common near the sea. Nom. vulg. "At-nairenchee"

MARTYRIA DIANDRA has become quite naturalized in the north of the island, on the coast.

CX. HYDROLEACEÆ

1. HYDROLEA, Linn

1. **H. Zeylanica**, Vahl, (Choisy in DC Prod. x. p. 180, cum syn., Wight, Ic. t. 601.)—c.p. 1883.

Var. *β. ciliata*, Choisy, l.c. cum syn.—c.p. 1884

HAB. Very common in damp places, in the hotter parts of the island. Nom. vulg. "Deya-kirilla"

CXI. CONVULVULACEÆ.

1. RIVEA, Choisy.

1. **R. tiliaefolia**, Choisy, in DC Prod. ix p. 325, cum syn.—*Argyreia tiliaefolia*, Wight, Ic. t. 1358.—c.p. 2848

HAB. Very abundant up to an elevation of 3000 feet. Nom. vulg. "Mā-banda."

2 **R. Zeylanica**, Thw.—*Ipomœa Zeylanica*, Gaertn. de Fruct. ii. p. 482. t. 178; Moon's Cat. p. 14

Var. *α. populifolia*.—*Argyreia populifolia*, Choisy, l.c. p. 329—c.p. 1943.

Var. *β. hirsuta*.—*R. hirsuta*, Wight, Ic. t. 891. *Argyreia hirsuta*, W. et A.; Choisy, l.c. p. 330—c.p. 1944.

(Var. *γ. emarginata*.—*R. pomarea*, Wight, Ic. t. 888. *Argyreia pomarea*, Choisy, l.c.)

HAB. Varr. *α* and *β*. Very abundant, up to an elevation of 5000 feet. Nom. vulg. "Girri-tilla."

I have no Ceylon specimens of var *γ*, but it doubtless occurs in the island.

3. **R. ornata**, Choisy, l.c. p. 326, cum syn.; Wight, Ic. t. 1356.—c.p. 1946.

HAB. Hot, drier parts of the island

2. ARGYREIA, Lour.

1. **A. speciosa**, Sweet, (Choisy in DC. Prod. ix. p. 328, cum syn.)—C.P. 2849.

HAB. Central Province, *Mr. H. de Alwis*. Nom. vulg. "Mahadoomooda."

2. **A. Leschenaultii**, Choisy, l. c. p. 329, cum syn.—C.P. 1932.

HAB. Batticaloa, *Gardner*.

3. **A. splendens**, Sweet, (Choisy, l. c. cum syn.)—C.P. 2845.

HAB. Hantam District, *Gardner*.

4. **A. elliptica**, Choisy, l. c. p. 330, cum syn.—C.P. 1933.

HAB. Central Province; not uncommon.

5. **A. hancorniaefolia**, Gardn. MS; *foliis* glabris, ellipticis vel ovatis, acuminatis, arete parallelum venosis, basi rotundatis; *pedunculis* solitariis, umbellatis, axillaribus terminalibusque, *petiolo* brevioribus, medio bibracteatis, *bracteis* valde caducis, *fructibus* carnosiss, obovato-oblongis, apiculatis—C.P. 1924.

HAB. Central Province, up to an elevation of 5000 feet

Ramuli juniores, cum *petiolis* *pedunculis*que, adpressis fulvo-pilosis. *Folia* subcoriacea, 2-3½ poll longa, 1½-1¾ poll lata, *petiolo* tenui, ¼-1 poll longo. *Sepala* ovata, subacuta, 2-3 lin. longa. *Corolla* purpurea, tubo parum inflato, *limbo* 1½ poll in exp.

6. **A. aggregata**, Choisy, l. c. p. 333, cum syn.—*Lettouia aggregata*, Roxb. Wight, l. c. t. 1359—C.P. 1945.

HAB. Abundant in the hot, drier parts of the island

BATATAS, Rumph

1. **B. paniculata**, Choisy, in DC. Prod. ix. p. 339, cum syn.—C.P. 499.

HAB. Colombo, *Mr. W. Ferguson*. Nom. vulg. "Kirri-baddoo."

2. **B. Choisyana**, Wight, l. c. t. 491—An *Convolvulus atropurpureus*, Wall. Fl. Ind. n. p. 54, Plant. As. Rar. p. 38, t. 137—C.P. 3647.

HAB. Batticaloa District.

The only specimen of this plant I possess agrees very well with Wight's figure, but the shape of the corolla would appear to be so very unlike that of Wallich's plant, that, taking the difference of locality also into consideration, I suspect they must be distinct, though Choisy, in DC. Prod. p. 366, describes them as one species, under the name of *Ipomœa atropurpurea*.

BATATAS EDULIS, Choisy, is abundantly cultivated as a vegetable. *B. pentaphylla* is common in gardens, and *Quamoelit coccinea* and *Q. vulgaris* are also common garden plants.

4. PHARBITIS, Choisy.

1. **P. Nil**, Choisy, in DC. Prod. ix. p. 313, cum syn.—C.P. 1938.

HAB. Hot, drier parts of the island.

PHARBITIS LEVATI, Hook., has no claim to be considered indigenous to Ceylon.

5. CALONYCTION, Choisy.

1. **C. speciosum**, Choisy, in DC. Prod. ix. p. 345, cum syn.; Wight, Ic. t. 1361.—c.p. 3648.

HAB. Abundant in the warmer parts of the island. Nom. vulg. "Alanga."

A plant (c.p. 3560), closely allied to the present, though probably a distinct species, having longer, more fleshy pedicels, and smaller and purple flowers, is cultivated by the Cinghalese, who eat the pedicels in their curries. It is said to be not truly indigenous.

2. **C. ? comospermum**, Boj. (Choisy, l.c. p. 346)—c.p. 3536.

HAB. Jaffna, Gardner; Diehwelle, near Matura, close to the sea.

Planta tota glabra. Pedunculi uniflori. Sepala obtusa, mutua vel mucronulata, demum pollicaria. Corolla magna, alba. Semina nigra, scum, olivacea, margine longiuscule lanata.

Can this be the *Riccia hypocyrtiformis*, Choisy, as regards the Trincomale plant? It appears to me to be a true species of *Ipomoea*.

6. IPOMŒA, Linn.

1. **I. reptans**, Poir. (Choisy, in DC. Prod. ix. p. 349, cum syn.)—c.p. 3535.

HAB. On the borders of tanks in the hot, drier parts of the island; also cultivated as a vegetable by the Cinghalese. Nom. vulg. "Kang-koong."

2. **I. Pes-Capræ**, Sw. (Choisy, l.c. cum syn.)—c.p. 1934.

HAB. Very abundant near the sea. Nom. vulg. "Moodoo-bin-tambooroo."

3. **I. rugosa**, Choisy, l.c. p. 350, cum syn.—c.p. 2854.

HAB. Very abundant in damp fields. Nom. vulg. "Bin-tambooroo."

4. **I. reniformis**, Choisy, l.c. p. 351, cum syn.—c.p. 3579.

HAB. Hot, drier parts of the island.

5. **I. littoralis**, Blume, (Choisy, l.c. p. 352)—c.p. 1939.

HAB. Galle, near the sea.

6. **I. tridentata**, Roth, (Choisy, l.c. p. 353, cum syn.)—c.p. 1929.

Var. β *I. filicaulis*, Blume, (Choisy, l.c. cum syn.)—c.p. 1930.

HAB. Very abundant in the warmer parts of the island. Nom. vulg. "Hawaree-maddoo."

The two varieties of this plant pass imperceptibly into one another, so that it is often impossible to determine to which of the two some specimens should be referred.

7. **I. campanulata**, Linn. (Choisy, l.c. p. 359, cum syn.; Wight, Ic. t. 1375.)—c.p. 2847.

HAB. Warmer parts of the island; not uncommon.

In general appearance this species closely resembles the more common *Riccia tiniafolia*, but the flowers are handsomer, the leaves less deeply cordate, and the fruit very different.

8. **I. jucunda**, Thw.; *foliis* rotundato-cordatis, longiuscule acuminatis, superne glabris, subtus tomentellis glanduloso-punctulatisque; *pedunculis* unifloris, petiolo subæquilongis; *sepalis* oblongis, subacutis,

externo plus minus pilosis; *seminibus* pilis sericeis longis olivaceis omnino dense tectis.—c.p. 3448.

HAB. Dolosbage District; rare.

Ingen, alte scandens. *Capsula* ovoides, $\frac{3}{4}$ poll longa, *stylis* base appiculata, *sepalis* pollicaribus parum reflexis suffulta. *Corollam* nondum vidi.

9. **I. Turpethum**, R. Br. (Choisy, l. c. p. 360, cum syn.)—*I. anceps*, R. et Sch.; Choisy, l. c.—c.p. 3649.

HAB. Hotter parts of the island. Nom. vulg. "Trasta-waaloo."

The roots of this plant are employed by the Cinghalese as a cathartic.

10. **I. Pes-Tigridis**, Linn. (Choisy, l. c. p. 363, cum syn.; Wight, Ic. t. 836.)—c.p. 1942.

Var. β . *I. hepaticifolia*, Linn.; Choisy, l. c. cum syn.

HAB. Very abundant in the hotter parts of the island. Var. β . Colombo, *Mr. W. Ferguson*. Nom. vulg. "Diwi-addeeya."

11. **I. Wightii**, Choisy, l. c. p. 364, cum syn.; Wight, Ic. t. 1364—c.p. 2851.

HAB. Central Province, at an elevation of 2000 to 3000 feet.

12. **I. pileata**, Roxb. (Choisy, l. c. p. 365, cum syn.; Wight, Ic. t. 1363.)—c.p. 3501.

HAB. Peradenia, not common.

13. **I. sessiliflora**, Roth. (Choisy, l. c. p. 366, cum syn.; Wight, Ic. t. 169)—c.p. 3107.

HAB. Central Province, up to an elevation of 4000 feet.

14. **I. obscura**, Bot. Reg. (Choisy, l. c. p. 370, cum syn.)—c.p. 1935.

HAB. Common up to an elevation of 3000 feet.

15. **I. sepriaria**, Komig. (Choisy, l. c. cum syn.; Wight, Ic. t. 838.)—c.p. 1937.

Var. β . *sagittata*—c.p. 2859.

HAB. Common in the warmer parts of the island.

16. **I. cymosa**, R. et Sch. (Choisy, l. c. p. 371, cum syn.)—c.p. 1931.

HAB. Common throughout the island. Nom. vulg. "Maddoo."

17. **I. chrysoides**, Bot. Reg. (Choisy, l. c. p. 382, cum syn.; Wight, Ic. t. 157)—c.p. 1910.

HAB. Warmer parts of the island, not common.

18. **I. Coptica**, Roth. (Choisy, l. c. p. 384, cum syn.)—c.p. 1928.

HAB. North of the island, *Gardner*.

19. **I. palmata**, Forsk. (Choisy, l. c. p. 386, cum syn.)—*I. pulchella*, Roth; Choisy, l. c.; Wight, Ic. t. 156.)—c.p. 3387.

HAB. Ambagamowa District.

7 ANISEIA, Choisy.

1. **A. uniflora**, Choisy, in DC. Prod. ix. p. 431, cum syn.; Wight, Ic. t. 850.—c.p. 3006.

HAB. Warmer parts of the island.

8 SHUTEREIA, Choisy.

1. **S. bicolor**, Choisy, in DC. Prod. ix. p. 435, cum syn., Wight, Ic. t. 835.—c.p. 1970.

HAB. Common in the hot, drier parts of the island.

9. BREWERIA, R. Br.

1. **B. Roxburghii**, Choisy, in DC. Prod. ix. p. 438, cum syn.; Wight, Ic. t. 1370.—c.p. 2853.

HAB. South of the island; not uncommon.

10. CRESSA, Linn.

1. **C. Cretica**, Linn. (*β Indica*; Choisy, in DC. Prod. ix. p. 440).—c.p. 1925.

HAB. North of the island, *Gardner*.

11. EVOLVULUS, Linn.

1. **E. alsinoides**, Linn (Choisy in DC. Prod. ix. p. 447, cum syn).—c.p. 1926.

HAB. Common throughout the island, in hot, dry places. Nom. vulg. "Visnoo-Kraanta."

TRIBE CUSCUTEÆ

12. CUSCUTA, Tourn.

1. **C. reflexa**, Roxb. (Choisy in DC. Prod. ix. p. 451, cum syn.; Hook. Ev. Fl. t. 150).—c.p. 1922.

HAB. Upon stems of, apparently, *Windlandia Natouana*, Newera Ellia, *Gardner*.

2. **C. Chinensis**, Linn (Choisy, l.c. p. 457, cum syn.; Wight, Ic. t. 1373).—c.p. 611.

HAB. Colombo, on stems of *Achyranthes aspera*.

CXII. ERYCIBÆ

1. ERYCIBE, Roxb.

1. **E. paniculata**, Roxb. (DC. Prod. ix. p. 464, cum syn).—c.p. 1881.

HAB. Common in the warmer parts of the island, up to an elevation of 3000 feet. Nom. vulg. "Atta-meeriya."

CXIII. BORAGINACEÆ.

TRIBE CORDIÆÆ

1. CORDIA, Plum.

Sectio Myxa, Endl

1. **C. Myxa**, Linn. (DC. Prod. ix. p. 479, cum syn.; Wight, Illustr. II. t. 169).—c.p. 3650.

Var. *β minor*; *foliis fructibusque minoribus*.—c.p. 1880. An species distincta?

HAB. Var. *α*. Central Province, etc. Var. *β*. Hot, drier parts of the island. Nom. vulg. "Loloo."

Var. *β* bears a very great general resemblance to var. *α*, but a more careful examination of fresh specimens may possibly prove it to be distinct. With the materials I have at present, I can discover no essential difference between the two plants.

2. *C. oblongifolia*, Thw.; *foliis* glabris, oblongis, brevi-acuminatis, minutissime reticulato-venulosis, basi subacutis, longiuscule petiolatis; *paniculis* terminalibus, parce pilosis; *calyce* cylindrico, 3-5-dentato, interne villosa; *corolla* 5-7-loba; *lobis* oblongis, reflexis; *tubo* calyce æquilongus; *fructibus* majusculis, rotundatis, acuminatis.—c.p. 2696.

HAB. Central Province, up to an elevation of 2000 feet.

Subscandens. *Ramuli* teretes, glabri. *Folia* 2-5 poll longa, 1-2½ poll. lata, *petiolo* pollicari, e basi tumida, subannata orante et cum eadem articulo. *Calyx* 4 lin longus. *Stylus* profunde bis bifidus. *Fructus* subpollicaris, calyce aucto sub-integro suffultus.

3. *C. diversa*, Thw.; *foliis* ovatis, parum acuminatis, basi rotundatis, trinerviis, superne scaberrimis, subtus fusco-tomentosis; *paniculis* terminalibus, paucifloris, tomentosis; *calyce* obconico.—c.p. 1954.

HAB. Hot, drier parts of the island.

Ramuli juniores tomentosi. *Folia* 2-4 poll longa, 1-2½ poll lata, *petiolo* ½-1 poll. longo. *Calyx* 3 lin. longus, 3-4-dentatus, externe præcipue versus apicem tomentosis, interne glaber. *Corolla* glabra, calyce parum longior, 5-loba. *Stylus* profunde bis bifidus. *Fructus* rotundatus, semipollicaris, calyce aucto scabro irregulariter dentato suffultus.

TRIBE EHRETIEÆ

2 EHRETIA, Linn

1. *E. lævis*, Roxb. (DC. Prod. ix. p. 505, cum syn.; Wight, Ic. t. 1382.)—c.p. 1879.

HAB. Common in the drier parts of the island.

2. *E. buxifolia*, Roxb. (DC. Prod. p. 509, cum syn.)—c.p. 1885.

HAB. Abundant in the hot, drier parts of the island. Nom. vulg. "Heen-tambala."

3. RHABDIA, Martius.

1. *R. viminea*.—*Ehretia* ¹ *viminea*, Wall.; DC. Prod. ix. p. 509. *E. (xeroderma) cuneata*, Wight, Ic. t. 1385.—c.p. 3191.

HAB. Ambagamowa District; not common.

Flores roseo-purpureæ. *Stigma* bilobum.

4. TOURNEFORTIA, Linn.

1. *T. argentea*, Linn. f. (DC. Prod. ix. p. 514, cum syn.)—c.p. 1882.

HAB. South of the island, close to the sea.

Sectio *Tetrandra*, DC

2. *T. Wallichii*, DC. l.c. p. 527, cum syn.—c.p. 2697.

HAB. Southern and Central Provinces, up to an elevation of 2000 feet.

Corolla pallide flavo-viridis. *Fructus* carnosus, ovatus, glaber, creter 2 lin. longus, albido-rufescens

The sessile, tetramerous flowers distinguish this from the *T. reticosa*, Wight, which in general appearance it very much resembles

TRIBE HELIOTROPIÆ

5. HELIOTROPIMUM, Tourn.

1. *H. supinum*, Linn.—*β Malabaricum*, Benth.; DC. Prod. ix. p. 533; Wight, Ic. t. 1387.—c p. 2854

HAB. North of the island, *Gardner*.

2. *H. marifolium*, Retz. (DC l. c. p. 547, Wight, Ic. t. 1390)—*An II. scabrum*, et *H. Rottleri*, Wight, Ic. tt. 1389, 1392?—c p. 1889, 1891.

HAB. Common on the borders of paddy-fields, in the hotter parts of the island.

A very variable plant, and I suspect that Dr Wight's three figures, quoted above, represent three forms only of it

3. *H. linifolium*, Lehm. (DC l. c. cum syn; Wight, Ic. t. 1391).—c p. 1886

HAB. Jaffna, *Gardner*.

I have not met with any plant in the island corresponding with the figure of *H. Zeylanicum*, Burm Fl Ind. t. 16 f. 2

6. HELIOPHYTUM, DC

Sectio *Tharidum*

1. *H. Indicum*, DC. Prod. ix. p. 556, cum syn.—*Tharidum Indicum*, Lehm; Wight, Illust. n. t. 171.—c.p. 1893.

Var. *β foliis* minoribus; *corollæ tubo* longiore quam in var. *α*.—c.p. 1894.

HAB. Common in the warmer parts of the island. Var. *β*. Bintenue, *Gardner*.

7. COLDENIA, Linn

1. *C. procumbens*, Linn (DC. Prod. ix. p. 558, cum syn.)—c.p. 1890.

HAB. Common in the hot, drier parts of the island.

TRIBE BORAGÆE

8. CYNOGLOSSUM, Tourn.

1. *C. micranthum*, Desf. (DC. Prod. x. p. 149, cum syn.)—*C. ovatum*, Moon's Cat.—c.p. 143.

HAB. Common in waste places throughout the island. Nom. vulg. "Boo-kattoo-handa."

2. *C. furcatum*, Wall (DC. l. c. cum syn; Wight, Ic. t. 1395.)—*C. decurrens*!, Moon's Cat. p. 12.—c p. 1892.

HAB. Common in the most elevated parts of the island.

Folia caulina semiamplexicaulia vel plus minus decurrentia *Corolla* cyaneo-purpurea.

As remarked by Dr Wight, the present plant is very closely allied to *C. micranthum*, and the two may possibly prove to be varieties only of one species.

9. TRICHODESMA, R. Br.

1. **T. Indicum**, R. Br. (DC. Prod. x. p. 172, cum syn.; Wight, *Illustr.* ii. t. 172.)—c.p. 1887.

HAB. Jaffna, *Gardner*; Trincomale, *Rev. S. O. Glenie*.

2. **T. Zeylanicum**, R. Br. (DC. l. c.)—c.p. 1888.

HAB. Hot, drier parts of the island

CXIV. SOLANACEÆ.

1. SOLANUM, Tourn.

1. **S. nigrum**, Linn.—*S. rubrum*, Roxb. Wight, *l.c.* t. 314.—c.p. 2865.

HAB. Common throughout the island Nom. vulg. "Kaloo-kang-waureya"

2. **S. verbascifolium**, Linn. (Duval in DC. Prod. xiii. p. 114, cum syn.; Wight, *l.c.* t. 1398.)—c.p. 1902.

HAB. Common in the Central Province. Nom. vulg. "Hakkarilla."

3. **S. auriculatum**, Ait. (Dun. l. c. p. 115, cum syn.)—c.p. 3525.

HAB. Common in cultivated ground, and also called "Hakkarilla."

4. **S. pubescens**, Willd. (Wight, *l.c.* t. 1102.)—c.p. 1901

HAB. Hot, drier parts of the island.

5. **S. membranaceum**, Wall. (Dun. l. c. p. 113.)—c.p. 1900.

HAB. Central Province, up to an elevation of 4000 feet.

6. **S. denticulatum**, Blume. (Dun. l. c. p. 181, Wight, *l.c.* t. 1397.)
—Var. *calyce* 5-dentato.—c.p. 2864

HAB. Not uncommon in the Central Province, at an elevation of 4000 to 5000 feet.

This so closely resembles, except in the fewer teeth of its calyx, Wight's figure quoted above, that I cannot venture to describe it as a distinct species. It is very nearly allied, too, to *S. membranaceum*, but is much more hairy, and has larger flowers and fruit—they may possibly, however, be varieties of one species.

7. **S. ferox**, Linn. (Dun. l. c. p. 255, cum syn.; Wight, *l.c.* t. 1399.)
—c.p. 2868

HAB. Common up to an elevation of 4000 feet. Nom. vulg. "Mallabattoo."

The ripe fruit is eaten by the Cinghalese

8. **S. giganteum**, Jacq. (Dun. l. c. p. 258, cum syn.; Wight, *l.c.* t. 893.)—c.p. 1903

HAB. Matturatte and Rambodde, in the Central Province, at an elevation of 3000 to 5000 feet.

9. **S. torvum**, Linn. (Dun. l. c. p. 260, cum syn.; Wight, *l.c.* t. 345.)
—c.p. 2867.

HAB. Common on waste ground in the Central Province

10. *S. trilobatum*, Linn. (Dun. l. c. p. 287, cum syn.; Wight, Ic. t. 854.)—c.p. 1906.

HAB. Hot, drier parts of the island. Nom. vulg. "Wal-tibbootoo."

11. *S. xanthocarpum*, Schrad. et Wendl. (Dun. l. c. p. 302, cum syn.)—*S. diffusum*, Roxb. Fl. Ind. ii. p. 250.—c.p. 1907.

Var. *β. Jacquini*.—*S. Jacquini*, Willd.; Wight, Ic. t. 1401.—c.p. 1905.

HAB. Common throughout the warmer parts of the island. Nom. vulg. Var. *α*. "Ella-battoo." Var. *β*. "Kattoo-wel-battoo."

The fruit of varr. *α* and *β* is eaten by the Cinghalese. Every part of var. *β* is used medicinally.

12. *S. indicum*, Linn. (Nees; Dun. l. c. p. 309, cum syn.; Wight, Ic. t. 346.)—c.p. 1904.

HAB. Very abundant in waste places throughout the island. Nom. vulg. "Tibbootoo."

The unripe fruit is eaten, after being boiled, by the Cinghalese.

Solanum esculentum, DuRoi., and several species and varieties of *Capsicum*, are commonly cultivated as vegetables and condiments.

2. PHYSALIS, Linn.

(Nom. vulg. "Mottoo")

1. *P. minima*, Linn. (Dunal in DC. Prod. xiii. p. 445, cum syn.)—*P. Indica*, Lam.; Dun. l. c. p. 443. *P. Hermannii*, Dun. l. c. p. 444.—c.p. 2866.

HAB. Common in waste and cultivated ground in the warmer parts of the island.

2. *P. angulata*, Linn. (Dun. l. c. p. 449, cum syn.)—c.p. 1898.

HAB. Frequent in similar situations with the last.

3. WITHANIA, Duval.

1. *W. somnifera*, Dun. in DC. Prod. xiii. p. 453, cum syn.; Wight, Ic. t. 853.—c.p. 3651.

HAB. Common in cultivated ground. Nom. vulg. "Amookkarā."

The whole plant is used as a medicine by the Cinghalese.

4. DATURA, Linn.

(Nom. vulg. "Attana")

1. *D. fastuosa*, Linn. (Dun. in DC. Prod. xiii. p. 542, cum syn.; Wight, Ic. t. 1396.)—c.p. 1897.

HAB. Very common in waste and cultivated ground.

The flowers of this variable species are frequently quite white. May not *D. Metel*, Linn., be a variety only of the present plant?

CXV. SCROPHULARIACEÆ.

1. CELSIA, Linn.

1. *C. Coromandeliana*, Vahl, (Bentham in DC. Prod. x. p. 246, cum syn.; Wight, Ic. t. 1406.)—c.p. 2021.

HAB. North of the island, *Gardner*.

2. LINDENBERGIA, Lehm.

1. *L. urticæfolia*, Lehm. (Benth. in DC. Prod. x. p. 377, cum syn.)

HAB. Ceylon, *Champion* (*Hb. Hook*).

3. PTEROSTIGMA, Benth.

1. *P. villosum*, Benth. l. c. p. 380, cum syn.—c.p. 2041 (723, 2054).
HAB. South of the island, common.

2. *P. capitatum*, Benth. l. c. cum syn.—c.p. 2880.

HAB. South of the island. Nom. vulg. "Gona Kola."

The Cinghalese frequently chew the leaves of this plant with their betel.

4. LIMNOPHILA, R. Br.

1. *L. serrata*, Gaud. (Benth. l. c. p. 387, cum syn.)—*L. conferta*,
Benth. l. c. cum syn. *L. micrantha*, Benth. l. c. cum syn.—c.p. 2049.

HAB. Very abundant in paddy-fields and wet places.

2. *L. hirsuta*, Benth. l. c. p. 388, cum syn.—An *L. villosa*, Bl., Benth.
l. c. p. An *L. diffusa*, G. Don, Benth. l. c. var. ?—c.p. 2040.

HAB. Common in similar situations with the last.

3. *L. punctata*, Bl. (Benth. l. c. p. 388, cum syn.)—*L. erecta*, Benth.
l. c. cum syn.—c.p. 2035, 535.

HAB. Very common in wet places

4. *L. gratioloides*, R. Br. (Benth. l. c. p. 389, cum syn.)—*L. Rox-*
burghii, G. Don, Benth. l. c. p. 388.—c. p. 2038.

HAB. Common in the hotter parts of the island.

5. *L. sessiliflora*, Bl. (Benth. l. c.)—*L. heterophylla*, Benth. l. c. p.
390, cum syn.—c. p. 2037, 2389 (2039)

HAB. Very abundant.

6. *L. racemosa*, Benth. l. c. p. 390, cum syn., Wight, Ic. t. 861.—
c.p. 2036, 2996.

HAB. Abundant in the warmer parts of the island.

5. HERPESTIS, Gærtn. f.

1. *H. floribunda*, R. Br. (Benth. in DC. Prod. x. p. 400, cum syn.)—
c.p. 2881.

HAB. Cultura, *Moon*.

2. *H. Monnieria*, H.B.K. (Benth. l. c. cum syn.)—c.p. 2031.

HAB. Very abundant in wet places. Nom. vulg. "Loonoo Weela."

Used as a medicine for children.

6. DOPATRIUM, Ham.

1. *D. nudicaule*, Benth. in DC. Prod. x. p. 407, cum syn.—c.p. 2046.

HAB. Not uncommon in the warmer parts of the island.

2. **D. lobelioides**, Benth. l. c. cum syn. ; Wight, Ic. t. 859.—c.p. 2042 (2043).

HAB. Common in the hotter parts of the island, in wet places.

3. **D. junceum**, Ham. (Benth. l. c.)—c.p. 2044.

HAB. Very abundant.

This plant, notwithstanding the great difference in the size of the flowers, is perhaps scarcely specifically distinct from the preceding.

7. ARTANEMA, Don.

1. **A. sesamoides**, Benth. in DC. Prod. x. p. 408, cum syn. ; Wight Ic. t. 1410 —c.p. 2024.

HAB. Very common, up to an elevation of 3000 feet.

8. TORENIA, Linn.

1. **T. Asiatica**, Linn. (Benth. in DC. Prod. x. p. 410, cum syn.)—*T. hirsuta*, Ham. ; Benth. l. c. cum syn. ; Wight, Ic. t. 862.—c.p. 2032.

HAB. Very abundant.

A very variable species, and I suspect that the following is but a form of it.

2. **T. rubens**, Benth. l. c.—c.p. 2033.

HAB. Central Province, up to an elevation of 4000 feet.

9. VANDELLIA, Linn.

1. **V. crustacea**, Benth. in DC. Prod. x. p. 413, cum syn. ; Wight, Ic. t. 863. —c.p. 2018 (2052).

HAB. Very abundant in paddy-fields and other wet places.

2. **V. multiflora**, G. Don. (Benth. l. c. cum syn.)—*V. hirsuta*, Ham. ; Benth. l. c. cum syn. —c.p. 3309.

HAB. Near Koenegalle.

3. **V. scabra**, Benth. l. c. cum syn.—c.p. 2885.

HAB. Very common in moist ground.

4. **V. pedunculata**, Benth. l. c. cum syn.—c.p. 652.

HAB. Abundant in paddy-fields, etc.

5. **V. angustifolia**, Benth. l. c. cum syn.—c.p. 2884.

HAB. Cultura, Moon.

10. ILYSANTHES, Rafin.

1. **I. hyssopioides**, Benth. in DC. Prod. x. p. 419, cum syn. ; Wight, Ic. t. 857 —*I. parviflora*, Benth. l. c. cum syn. *I. rotundifolia*, Benth. l. c. p. 420, cum syn.—c.p. 2047, 3111.

HAB. Common in paddy-fields.

The plants I have ventured to unite under this species merge so completely into one another, that I cannot separate them.

11. BONNAYA, Link and Otto.

(Nom. vulg. "Weela.")

1. **B. veronicaefolia**, Spr. (Benth. in DC. Prod. x. p. 421, cum syn.)

* c.p. 652 in Herb. Hook. is *Ilysanthes hyssopioides*, Benth.—ED.

—*B. grandiflora*, Spr. ; Benth. l. c. cum syn. *B. verbenæfolia*, Spr. ; Benth. l. c. cum syn.—c.p. 2084, 2050, 2051.

HAB. Abundant in paddy-fields, etc.

An extremely variable plant, and further investigation will probably determine the following as well as the other described species of this genus to be forms only of one.

2. *B. tenuifolia*, Spr. (Benth. l. c. p. 422.)—c.p. 2883.

HAB. Central Province, *Macrae*.

12. MICROCARPÆA, R. Br.

1. *M. muscosa*, R. Br. (Benth. in DC. Prod. x. p. 433, cum syn.)—c.p. 2728.

HAB. Not uncommon in moist ground.

13. BUCHNERA, Linn.

1. *B. hispida*, Ham. (Benth. l. c. p. 496, cum syn. ; Wight, Ic. t. 1413)

HAB. Ceylon, *Walker* (*Hb. Hook.*).

14. STRIGA, Linn.

1. *S. hirsuta*, Benth. in DC. Pr. x. p. 502, cum syn.—c.p. 2028, 2886.

HAB. Common up to an elevation of 4000 feet.

This species has larger flowers when growing on the hills, than when it occurs in the low country

2. *S. euphrasioides*, Benth. l. c. p. 503, cum syn.—*Buchnera euphrasioides*, Wight, Ic. t. 855.—c.p. 2887.

Var. β ; minus *hirsuta*, *caule* elongato, *foliis floralibus* brevioribus, *calyce* 15-costato, demique fisso.—c.p. 2029 (2030, 2031).

HAB Var. *a.* Bintenne, *Gardner*. Var. β . Very common in swampy places in the hotter parts of the island.

Flores albi.

15. SOPUBIA, Ham.

1. *S. delphinifolia*, G. Don, (Benth. in DC. Prod. x. p. 522, cum syn.)—c.p. 2022.

HAB. Common up to an elevation of 4000 feet.

2. *S. trifida*, Ham. (Benth. l. c. cum syn.)—c.p. 525.

HAB. Abundant at Newera Ellia and other of the more elevated parts of the Central Province.

16. CENTRANTHERA, R. Br.

1. *C. Brunoniana*, Wall. (Benth. in DC. Prod. x. p. 525.)—*C. procumbens*, Benth. l. c.—c.p. 2026 (2027).

HAB. Common in grassy wet places, up to an elevation of 3000 feet. Nom. vulg. "Dootoo-satootoo."

2. *C. hispida*, R. Br. (Benth. l. c. cum syn.)—c.p. 2025.

HAB. In similar situations with the preceding species, but not so common.

3. *C. humifusa*, Wall. (Benth. l. c. cum syn.)—C.P. 2888.

HAB. South of the island.

17. PEDICULARIS, Linn.

1. *P. Zeylanica*, Benth. in DC. x. p. 580; Wight, Ic. t. 1419.—C.P. 229.

HAB. Abundant at Newera Ellia, Horton Plains, and other of the more elevated parts of the Central Province.

CXVI. OROBANCHACEÆ.

1. ÆGINETIA, Linn.

Calyx spathaceus vel tubulosus irregulariter fissusque. *Antheræ* coherentes; *superiores* uniloculares; *inferiores* biloculares, uno loculo sterili, oblongo, apiculato.

1. *Æ. Indica*, Roxb. (Reuter in DC. Prod. xi. p. 43, cum syn.; Wight, Ic. t. 895.)—C.P. 1778.

HAB. Hantani, *Maerae*.

2. *Æ. acaulis*, Walp. (Reut. l. c. cum syn.?)

Var. *α*; *calyce* spathaceo, *ramis placenta* parce irregulariter lobatis.—C.P. 3035.

Var. *β*; *calyce* brevior, tubuloso, 2-5-dentato, *ramis placenta* non lobatis.—C.P. 2972.

HAB. Var. *α*. Below Hapootelle, amongst *Andropogon Schænanthus*.
Var. *β*. Rambodde District.

Corolla (var. *β*) albida, limbo ad marginem pulcherrime violaceo-purpureo, labio inferiore interne ad faucem aurantiaco.

Var. *α* and *β* are probably distinct species, but I have not sufficient materials as regards var. *α* to enable me to determine this point satisfactorily. Var. *β* forms, with *Christisonia unicolor*, a connecting link between the present and the next genus.

2. CHRISTISONIA, Gardner.

(Calcutta Journ. of Nat. Hist. viii. p. 153. *Christisonia*, Wight; et forsan *Campbellia*, Wight, et *Oligopholis*, Wight, Ic.)

Calyx tubulosus, 5-dentatus. *Stamina* didynama. *Antheræ* coherentes, biloculares, singularum uno loculo sterili, subulæformi, porrecto.

1. *C. grandiflora*, Gardn. l. c. p. 155.—C.P. 3085.

HAB. "Parasitic on the root of a large Acanthaceous shrub, on the ascent to Adam's Peak from Ratnapoorah, at an elevation of about 5000 feet, March," *Gardner*.

Caulis glaber, squamosus, parce ramosus, 2-3-pollicaris; *ramis* 1-3-floris. *Squamæ* ovatae, subacutæ, fuscæ, circiter 4 lin. longæ. *Pedicelli* teretes, ebracteolati, pollicares. *Calyx* 5-angularis, 9 lin. longus, dentibus lanceolatis, aequalibus, 3 lin. longis. *Corolla* circiter 3 poll. longa, limbo roseo, 2 poll. in exp., lobis cre-natis, inferiore ad faucem croceo. *Stamina* inclusa.—*A. descript. cl. Gardner excerpt.*

This is, I suspect, a form only of the following species, the only real difference appearing to be in the size and colour of the flowers, for the character derived from the position of the sterile loculus of the anthers is a fallacious one, this being, in all the species of the genus I have examined in a fresh state, porrected and nearly horizontal.

2. **C. tricolor**, Gardn. l. c. p. 156.—c.p. 2889.

HAB. Central Province, at an elevation of 3000 to 4000 feet; parasitic on roots of *Acanthaceæ*, *Gardner*.

Caulis glaber, squamosus, parce ramosus, 1-3-pollicaris, ramis 1-2-floris. *Pedicelli* teretes, bracteolati, rufescentes, pollicares. *Calyx* 5-angularis, rufescens, 8 lin. longus; *dentibus* aequalibus, lanceolatis, acutis, 3 lin. longis. *Corolla* circiter $2\frac{1}{2}$ poll. longa, tubo infundibuliformi, fauce lutea, limbo 1-1 $\frac{1}{4}$ poll. in exp.; lobis 2 superioribus denticulatis, sanguineis, 3 inferioribus subcrenatis, pallide roseis. *Stamina* inclusa.—*Gardner*.

3. **C. bicolor**, Gardn. l. c. p. 160.—c.p. 3108.

Var. β . *pallidiflora*.—*C. pallida*, Gardn. l. c. p. 159.—c.p. 1781.

HAB. In similar situations with the last, *Leur*, *Gardner*.

Caulis simplex, 3-6 poll. longus, verrucoso-hispidus, apicem versus infuscens, sublevis squamosusque. *Squamæ* ovatae, acutae, circiter 4 lin. longae, pilosulae. *Flores* racemosi, saepissime 5-6. *Pedicelli* 1-8 lin. longi, bibracteolati. *Calyx* tubulosus, pilosulus, infuscens, circiter 8 lin. longus, *dentibus* aequalibus, acutis, circiter 1 lin. longis. *Corolla* infundibuliformis, sesquipollicaris, pallide roseo, plus minus flavescens, vel omnino flava, limbo 1-1 $\frac{1}{4}$ poll. in exp, lobis undulatis. *Stamina* inclusa, filamentis glanduloso-pilosis.—*A descrip. et. Gardn. præcipue excerpt.*

4. **C. unicolor**, Gardn. l. c. p. 161.—An *Campbellia cytinoides*, Wight, Ic. t. 1425, cum syn. p.—c.p. 2971, p. 1780.

HAB. Hunasgiri Range, *Leur* Rambodde, at an elevation of 3000 to 4000 feet.

Tota planta flava. *Caulis* simplex, glaber, angularis, squamosus, 1-3-pollicaris, ad basin verrucoso-hispidus. *Squamæ* subrotundae, 3-6 lin. longae. *Flores* racemosi, saepissime 5-6. *Pedicelli* 2-8 lin. longi, bibracteolati. *Calyx* pollicaris, angularis, irregulariter acute 5-dentatus. *Corolla* infundibuliformis, 1 $\frac{1}{2}$ -2 poll. longa; lobis integris, parum reflexis. *Stamina* exserta, filamentis glabris, antherarum superiorum loculo sterili paucio. *Placentæ* majusculæ.

CXVII. PODOSTEMACEÆ.

1. DICRÆA, Pet. Th.

1. **D. elongata**, Tulasne in Ann. des Sci. Nat. (sér. 3), vol. ii. p. 102. Walp. Ann. iii. p. 437; Wight, Ic. t. 1917-1.—*Podostemon elongatus*, Gardner in Calc. Journ. of Nat. Hist. vol. vii. p. 188.—c.p. 2259.

HAB. Rocks in the bed of the Mahawelle Ganga, near Kandy, *Gardner*. Fl. January to March.

2. PODOSTEMON, Mich.

1. **P. subulatum**, Gardn. l. c. p. 184; Wight, Ic. t. 1918-1; Tulasne, l. c. p. 103.—*P. dendroides*, Thw. MS. in Hb. Hook.—c.p. 3088, 3366.

HAB. Rocks in the Mahawelle Ganga. Fl. January to March, *Gardner*.

2. **P. Gardneri**, Harvey, MS.; *caule* simplici, terete, glabro, foliis plurimis capillaceis coronato.—c.p. 2989.

HAB. On the membranaceous rhizomes of *Hydrobryum olivaceum*, Tul. In a rapid mountain stream at Rambodde, Oct. 1853, Dr. W. H. Harvey.

Caulis $\frac{1}{2}$ –1-pollicaris. *Folia* $1\frac{1}{2}$ –2 poll. longa, delicatula, nigro-viridia, enervosa. *Inflorescentia* ignota.

Until its inflorescence has been discovered, some doubt must remain to which genus of the present family this plant is to be referred, and my attempts to trace its further development from the state described above, have been hitherto unsuccessful. Can it possibly be an early stage of growth of *Hydrobryum olivaceum*?

3. HYDROBRYUM, Endl.

1. **H. olivaceum**, Tul. l. c. p. 104; Walp. Ann. iii. p. 439.—*Podostemon olivaceum*, Gardn. l. c. p. 181 —c.p. 3065.

HAB. On rocks in the Mahawelle Ganga, and large mountain streams in the Central Province, Gardner. Fl. January to March.

4. DALZELLIA, Wight, Ic. vol. v. par. ii. p. 34.

(*Lavina*, Tulasne *Mnanthus*, Walp.)

1. **D. Ceylanica**, Wight, Ic. t. 1919–1.—*Lavina Zeylanica*, Tul. l. c. p. 112. *Mnanthus Zeylanicus*, Walp. l. c. p. 443. *Tristicha Ceylanica*, Gardn. l. c. p. 177.—c.p. 3089.

HAB. On rocks in the Mahawelle Ganga, near Kandy, Gardner.

CXVIII. ACANTHACEÆ.*

[The Indian *Acanthaceæ* being in process of examination and re-arrangement at Kew, by Dr Thomas Anderson, F L S., of the Bengal Medical Service, who is preparing a new classification of the Order for the Linnean Society of London, Mr. Thwaites has, at my suggestion, gladly availed himself of the opportunity of placing his enumeration of the Ceylon species (which was arranged according to Nees's method) in Dr. Anderson's hands. The latter gentleman has kindly devoted some weeks to the study of every species and its synonyms, and has classified the whole in accordance with his forthcoming 'Systema Novum Acanthacearum'. I have added the initials G Thw and T A to various paragraphs where doubts may arise as to the exact authority for the observations they contain"—J D H]

SUBORD. 1 THUNBERGIDEÆ—*Estivatio corollæ contorta. Semina cupulâ suffulta. Plantæ scandentes*

TRIB THUNBERGIEÆ

1. THUNBERGIA, Linn. fil.

1. **T. coccinea**, Wall. Tent. Fl. Nep.—*Hexacentris*, N. ab E. in Wall. Pl. As. Rar.; DC. Prod. xi. p. 61, cum. syn.

Macrac's specimens, referred to by Nees von Esenbeck, were collected in the Botanic Garden from a cultivated plant, as I am informed by Mr Alwis, the draughtsman

* The native name *Nelloo* is applied to the species of this Natural Family generally.—G. Thw.

of this establishment. Mr. Alwis is under the impression that he once saw the plant growing wild in a forest between Oova and Balangodde. I have however only seen it in a cultivated state, and suspect it is not truly indigenous—*G. Thu*.

2. **T. Hawtynii**, Wall. Tent.—*Meyenia Hawtyniana*, N. ab E. in Wall. Pl. As. Rar.; DC. Prod. xi. p. 60, cum. syn.; Wight, Ic. t. 1487. HAB. Ceylon, *Walker, in Herb. Hook.*

Mr. Thwaites has never met with this species in the island.

3. **T. fragrans**, Roxb. Fl. Ind. iii. p. 33; DC. l. c. p. 57, cum. syn.—C.P. 2020.

HAB. Abundant up to an elevation of 7000 feet.

Flores non fragrantæ. Corolla alba, tubo interne pallide viridi.—*T. A.*

SUBORD. 2. **RUELLIDEÆ**.—*Æstivatio corollæ contorta. Semina papillâ v. retinaculo uncinato suffulta. Plantæ non scandentes.*

TRIB. NELSONIÆ.

2. ELYTRARIA, Vahl.

1. **E. crenata**, Vahl, (N. ab E. in DC. Prod. xi. p. 63, cum syn.)—*E. marginata*, Pal. de Beauv. *E. virgata*, N. ab E.; DC. l. c.—C.P. 240. HAB. Very common.

3. NELSONIA, R. Br.

1. **N. tomentosa**, Willd. (N. ab E. in DC. Prod. xi. p. 65, cum syn.) HAB. Ceylon, *Walker, in Herb. Hook.*

Mr. Thwaites has never met with this plant.

4. EBERMAIERA, N. ab E.

1. **E. glauca**, N. ab E. in DC. Prod. xi. p. 73, cum syn.; Wight, Ic. t. 1488.—C.P. 2717, 3575.

HAB. Banks of a stream near Batticaloa and Ambagamowa District, not uncommon.

Under *E. glauca* I include *E. Zeylanica*, *polybotrya*, *humilis*, and *thyrsodea* of Nees von Esenbeck, as well as *E. spathulata*, Hassk.—*T. A.*

5. ADENOSMA, N. ab E.

Sect. 1.—*Staminibus quatuor.*

1. **A. balsamea**, Spr. (DC. Prod. xi. p. 68; Wight, Ic. 446.)—C.P. 1996.

HAB. North of the island, *Gardner.*

2. **A. verticillata**, N. ab E. in Wall. Pl. As. Rar.; DC. l. c. p. 69; Wight, Ic. 1524.—C.P. 1995.

HAB. Not uncommon in the hotter parts of the island.

3. **A. uliginosa**, R. Br. (DC. l. c.)

HAB. In rice-fields, *Walker, in Herb. Hook.*

Sect. 2.—*Staminibus duobus.*

4. **A. Thwaitesii**, T. Anders.; *caule erecto, racemoso; foliis obovatis,*

subpetiolatis, superne tomentosis, subtus glaucis; floribus solitariis, in cymis laxis; bracteis parvis; calyce capsula dimidio brevior; corolla minuta, labio inferiore rugis inconspicuis; staminibus duobus (*T. A.*).—c.p. 1994.

HAB. Abundant in the Batticaloa District, at no great elevation.

TRIB RUELLIÆ.

SUBTRIB. 1 HYGROPHILEÆ.

6. HYGROPHILA, R. Br.

1. *H. quadrivalvis*, N. ab E. in Wall. Pl. As. Rar. p. 89. (DC. Prod. xi. p. 89, cum syn.)—c.p. 2993.

Var. *salicifolia*, T. Anders.—*H. salicifolia*, N. ab E. l. c. p. 92. (Wight, Ic. t. 1490.)—c.p. 591, 3109.

HAB. Common in the warmer parts of the island.

2. *H. spinosa*, T. Anders.—*Asteracantha longifolia*, N. ab E. in DC. l. c. p. 247, cum syn.; Wight, Ic. t. 449.—c.p. 2900.

HAB. Not uncommon in the warmer parts of the island.

Asteracantha is, in every respect, a true *Hygrophila*—*T. A.*

SUBTRIB. 2 EU-RUELLIÆ.

7. CALOPHANES, Don.

1. *C. depressa*, T. Anders.—*Dyschoriste*, N. ab E. in DC. Prod. xi. p. 106, cum syn.—c.p. 3537.

HAB. Hot, drier parts of the island.

2. *C. littoralis*, T. Anders.—*Dyschoriste*, N. ab E. in DC. l. c. cum syn.; Wight, Ic. t. 447.—c.p. 1997.

HAB. North of the island, *Gardner*.

8. RUELLIA, Linn.

1. *R. prostrata*, Poir.—*Dipteracanthus prostratus*, N. ab E. in DC. Prod. xi. p. 124, cum syn. *D. dejectus*, N. ab E. in DC. l. c. p. 125.—c.p. 1987.

HAB. Very abundant up to an elevation of 3000 feet.

2. *R. patula*, Jacq.—*Dipteracanthus patulus*, N. ab E. in DC. l. c. p. 126, cum syn.; Wight, Icon. t. 1505.—c.p. 3628.

HAB. Trincomalee, *Rev. S. O. Glenie*.

9. ÆTHEILEMA, R. Br.

1. *Æ. reniforme*, N. ab E. in Wall. Pl. As. Rar.; DC. Prod. xi. p. 261, cum syn.; Wight, Ic. t. 1533.—c.p. 398.

HAB. Not uncommon up to an elevation of 2000 feet.

SUBTRIB. 3 STROBILANTHÆ.

10. STENOSIPHONIUM, N. ab E.

1. *S. Zeylanicum*, T. Anders.; scabrum, erectum; foliis petiolatis,

serratis; floribus confertis; bracteis ovatis, acutis, marginibus hispidе ciliatis; corolla pallide cyanea, glabra; staminibus quatuor, didynamis, longe exsertis (*T. A.*).—C.P. 3577.

Var. β ; foliis marginibus integris.—C.P. 3661.

HAB. Bintenue and Batticaloa Districts, at no great elevation. Var. *a*. Central Province.

2. **S. Russellianum**, N. ab E. in Wall Pl. As. Rar; DC. Prod. xi. p. 105; Wight, Ic. t. 873, 1502.—*S. subsericeum*, N. ab E.—C.P. 2001.

HAB. Common in the hot, drier parts of the island. Varies greatly in the amount of pubescence.

11. STROBILANTHES, Blume.

Sect. 1. ENDOPOGON.—*Floribus spicatis*.

† *Staminibus duobus*

1. **S. consanguineus**, T. Anders.—*Endopogon consanguineus*, *E. amomum*, N. ab E. in DC. Prod. p. 104. *E. viscosum*, Wight, Ic. t. 1498. *Stenosphonium diandrum*, N. ab E.—C.P. 2002, partim.

HAB. Maturatte District, at an elevation of 3000 feet.

Valde ramosus, 5–6-pedalis. Corolla pallide cyanea.

Very variable in the amount of pubescence.—*T. A.*

2. **S. hypoleucus**, T. Anders.—*Endopogon*, N. ab E. in DC. l. c.—C.P. 2897.

HAB. Central Province, *Gardner*.

3. **S. nigrescens**, T. Anders.; cauli erecto, tetragono; foliis glabris, ovatis, lanceolatis, utrinque acutis, petiolatis, venis plerumque nigrescentibus; spicis hispidis, foliis longioribus; bracteis lanceolatis (*T. A.*).—C.P. 3353.

HAB. Ambagamowa District, at an elevation of 3000 feet.

Suffrutex luridus, 4–5-pedalis, ad nodos rufescens. Corolla pallide purpurea. Anthesarum loculi parum dislocati, in anthesin horizontales.—*T. A.*

4. **S. viscosus**, T. Anders.—*Endopogon viscosus*, *argutus*, et *digitalis*, N. ab E. in DC. l. c. *E. versicolor*, Wight, Ic. t. 1497.—C.P. 2002, partim, et 2898.

HAB. Central Province, up to an elevation of 7000 feet.

Corolla albida.—*G. Thw.*

A very variable species as regards the amount of the glandular pubescence, and in the size of the several parts of the inflorescence.—*T. A.*

5. **S. rhamnifolius**, T. Anders.—*Buterea rhamnifolia*, N. ab E. in D. C. l. c. p. 725. *Endopogon rhamnifolius*, Wight, Ic. t. 1521.—C.P. 2007.

HAB. Hantani District, at an elevation of 4000 feet.

Corolla pallide purpurea.—*G. Thw.*

†† *Staminibus quatuor*.

6. **S. Gardnerianus**, T. Anders.—*Endopogon*, N. ab E. in DC. l. c. p. 723.—C.P. 2006.

HAB. Hantani, at an elevation of 4000 feet.

1–2-pedalis. Corolla purpurea.—*G. Thw.*

7. **S. scaber**, T. Anders.—*Ruellia aspera*, N. ab E. in DC. l. c. p. 147, cum syn. *Strobilanthes scaber*, var. β , Wall. Pl. As. Rar., *fid.* N. ab E.

HAB. Ceylon, *Walker, in Herb. Hook.*

Sect. 2. EU-STROBILANTHES.—*Floribus in strobilis confertis.*

8. **S. Zeylanicus**, T. Anders.; *caule* fruticoso, erecto, quadrangulari, sulcato; *foliis* acutis, subtus scabris, marginibus serratis asperis; *strobilis* axillaribus, pedunculatis; *bracteis* fimbriatis, truncatis, reflexis vel acutis; *corolla* extus tomentosa (*T. A.*).—c. p. 3352.—*Strobilanthes callosus*, N. ab E., partim.

HAB. Ambagamowa District and Kokool Corle, at an elevation of 2000 feet.

3-5-pedalis *Canlis* subglaber. *Folia* setulis stellatis scabra, elliptica vel ovata, 3-10 unc longa, 1-4 unc lata. *Bractea* trapezoidea vel acuta, foliacea, margine setulosa. *Corolla* albidā, extus tomentosa.—*T. A.*

9. **S. Walkeri**, N. ab E. DC. l. c. p. 181.—c. p. 2008, 2009, partim, et 3517.

HAB. Central Province, at an elevation of 4000-7000 feet.

2-5-pedalis. *Corolla* albidā, vel pallide purpurea. *Antheræ* exsertæ.—*T. A.*
It varies very much in the size of the flowers

10. **S. Thwaitesii**, T. Anders.; *caule* fruticoso, tetragono, angulis scabris, setulis squamoso; *foliis* ovatis, ovato-lanceolatis, vel ellipticis, acumminatis, marginibus serratis, reflexis, supra asperis, subter hirsutis; *floribus* in capitulis strobiloides; *pedunculis* axillaribus, tetragonis; *bracteis* lanceolatis, acumminatis, corrugatis, margine ciliatis; *staminibus* inclusis (*T. A.*).—c. p. 2009 partim, 3516.

HAB. Ambagamowa District

Pedunculi foliis brevioris, simplicis vel ad apicem trifidi. *Capitula* circiter 3-flora, cernua. *Bractee* bullato-coriugatæ, ciliatæ, 7-10 lin longæ. *Bracteolæ* multo minores, lineares, acutæ, ciliatæ. *Corolla* pollicaris, albidā, externe glabra, interne pilosa.—*T. A.*

11. **S. deflexus**, T. Anders.; *caule* glabro; *foliis* ellipticis, caudatis; *pedunculis* axillaribus, solitariis vel binis, deflexis; *bracteis* foliaceis, acutis, glabris, calyce fere ad medium quinque-partito, segmentis lanceolatis, *staminibus* duobus (*T. A.*).—c. p. 1998

HAB. Hantani, at an elevation of 4000 feet.

Viridis, 4-5-pedalis. *Pedunculi* versus apicem incrassati. *Capitula* 6-8 lin longa. *Bractee* 6-8 interiores cum calycibus involventes. *Bracteolæ* angustissimæ. *Flores* terminales, 2-3. *Calyc* pilosulus. *Corolla* pallide purpurea, 8 lin. longa.—*T. A.*

12. **S. Hookeri**, N. ab E. DC. l. c. p. 185.—c. p. 1999.

HAB. Central Province, at an elevation of 7000 feet.

5-6-pedalis. *Corolla* albidā, lobis rotundatis, retusis, ad faucem lineis 3 purpureis longitudinalibus notata. *Stamina* æquilongā, *antheræ* exsertæ.—*T. A.*

13. **S. calycinus**, N. ab E. DC. l. c. p. 186.—c. p. 309.—*S. coloratus*, N. ab E. l. c. p. 186.

HAB. Central Province, at an elevation of 7000 feet.

4-5-pedalis. *Bractee* glabræ vel glanduloso-pilosæ. *Corolla* straminea vel plus minus olivacea, lobis brevibus, rotundatis, retusis. *Stamina* æquilongā, *antheris* exsertis.—*G. The*

Closely allied to *S. Hookeri*, but differing from it in having much shorter petioles, smaller hirsute leaves, longer and laxer heads of flowers, and oblong, more ment-branceous bracts, as well as in the character of the corolla.—*T. A.*

14. *S. trifidus*, N. ab E. DC. l. c. p. 185.—*S. rugosus*, Wight, Ic. t. 1619, et *S. campanulatus*, t. 1562.—C.P. 254, 2008.—*S. asperimus*, *lupulinus*, *Heyneanus*, *tener*. (*S. involueratus*, Blume, *fid.* N. ab E.)

HAB. Very abundant up to an elevation of 6000 feet.

An extremely variable plant as regards amount of pubescence, size of the leaves, length of the heads of flowers, etc. In some specimens the bracts are nearly white, more or less tinged with red at the base and green at the tip of each, whilst in others they are of a uniform dull green colour, and harsher texture.—*T. A.*

15. *S. laxus*, T. Anders.; *caule* tereti, glabro; *foliis* petiolatis, ovatis, acuminatis, cordatis, grosse serratis, utrinque subscabris, subtus glandulosis; *strobilis* axillaribus, multifloris, sæpe ramosis, laxis, inferioribus plerumque binis, superioribus solitariis; *bracteis* rotundatis, ovatis, margine ciliatis, *bracteolis* lanceolatis, acutis, ciliatis, calyce brevioribus; *calycis* segmentis lanceolatis, acutis, subæqualibus, inferiore angustiore, fere lineari; *corolla* extus glabra, ad medium quinque-partita, labio inferiore lineis duabus barbatis notato; *lobis* lanceolatis, acutis, reflexis; *staminibus* quatuor exsertis, filamentis æquilongis, linearibus, glabris (*T. A.*).—C.P. 2010.

HAB. Hantani, at an elevation of 4000 feet.

4-6-pedalis *Folia* 1-2 unc longa, 1-2 unc lata. *Petiolus* 1½ unc longus. *Strobili* ½-3 unc longi. *Bracteæ* semipollicares *Corolla* 9 lin longa, flavo-rulescens, basi nigro-purpurea-cens *Stamina* ingrescentia, *polline* flavo.—*T. A.*

16. *S. vestitus*, N. ab E. in DC. l. c. p. 180.—C.P. 3660.

HAB. Maturatle, at an elevation of 5000-7000 feet.

17. *S. Arnottianus*, N. ab E. in DC. l. c. p. 179.—C.P. 2005.

HAB. Nêvera Ellia, *Gardner*

Closely allied to *S. vestitus*, but differing from it in the form of the leaves, and much smaller pilose flowers. Besides, the capsule and style of *S. vestitus* are quite glabrous, while they are hirsute and glandular in *S. Arnottianus*.—*T. A.*

18. *S. caudatus*, T. Anders.; *caule* subterete, subglabro; *foliis* lanceolatis, caudato-acuminatis, lineolatis, subtus ad nervos tomentosis; *pedunculis* axillaribus, simplicibus vel trifidis; *capitulis* 3-6-floris, villosis; *bracteis* lanceolatis, tomentosis; *calycis* segmentis lineari-lanceolatis, æquilongis; *corollæ* lobis brevibus, rotundatis, retusis; *staminibus* inclusis; *antheris* subumlocularibus (*T. A.*).—C.P. 364.

HAB. Hantani, at an elevation of 2000 to 3000 feet.

4-5-pedalis *Folia* 3-7 unc longa, 1-1½ unc lata *Bracteæ* 4 lin. longæ, ciliatæ *Corolla* pollicaris, flavide-rubro tincta.

19. *S. adenophorus*, N. ab E. in DC. l. c. p. 182.—C.P. 162.—*Goldfussia myrtina*, N. ab E. *Myrtina lanceolata*, Macrae. *Stenosiphonium Moonianum*, Wight et Gardn. *Strobilanthes lanceolatus*, N. ab E.

HAB. Kokool Corle, and Saffragam District.

Calyx semipollicaris, ultra medium tubulosus, segmentis lanceolatis, acutis, ciliatis. *Corolla* pallide cyanea, 1½ unc longa, *lobis* subacutis *Antheræ* sagittatæ, exsertæ.—*T. A.*

Nees von Esenbeck has placed this plant once in *Goldfussia* and twice in *Strobilanthes*, and both in *Goldfussia* and *Strobilanthes* has quoted the same number of Macrae, 373 — *T. A.*

20. *S. anceps*, N. ab E. in DC. l. c. p. 189.—c.p. 2000.

Var. *punctatus* (*S. punctatus*, N. ab E. in DC. l. c. p. 182); *foliis* subtus punctatis; *bracteis* utrinque punctatis, ciliatis.—*T. A.*

HAB. Central Province, Saffragam District, at an elevation of 2000 to 6000 feet.

Var. *punctatus*, Walker, in Herb. Hook.

Sect. 3.—*Floribus in paniculis terminalibus caulinibusve.*

21. *S. cerinthoides*, N. ab E. in Herb. Hook.—c.p. 66, 2593, 2594.—*S. argutus*, N. ab E. in DC. l. c. p. 188. *S. sexennis*, N. ab E. in DC. l. c. p. 187.

Var. *a hirsutissimus*, T. Anders.—c.p. 3626 (*S. hirsutissimus*, N. ab E. in DC. l. c.).

HAB. Very abundant at Newera Ellia, and other of the more elevated parts of the Central Province.

▲ extremely variable plant as regards amount of pubescence, shape of the leaves, length of the subpanicles of flowers, and relative size of the bracts and flowers.—*T. A.*

22. *S. helicoides*, T. Anders.—*Leptacanthus*, N. ab E. in DC. l. c. p. 170.—c.p. 1980.

HAB. Hantani and Ambagamowa Districts, up to an elevation of 3000 feet.

2-3-petalis. *Corolla* purpurea, *tubo* parum inflato, *lobis* brevibus, rotundatis.—*G. Thw.*

23. *S. rubicundus*, T. Anders.—*Leptacanthus*, N. ab E. in DC. l. c. —c.p. 3351.

HAB. Saffragam and Ambagamowa Districts.

4-5-petalis. *Corolla* violacea.—*G. Thw.*

24. *S. pulcherrimus*, T. Anders.—*Leptacanthus Walkeri*, N. ab E. in DC. l. c.; Wight, Ic. t. 1507.—c.p. 266 (301).

HAB. Central Province, at an elevation of 4000 to 7000 feet.

4-5-petalis. *Paniculae* terminales caulinaeque, cum bracteis calycibusque plus minus rufescentes. *Corolla* violacea, *palice* curvata, *lobis* rotundatis retusis.—*G. Thw.*

12. DÆDALACANTHUS, T. Anders.

(*Eranthemum*, Wall. partim)

Calyx minutus, scariosus, 5-dentatus. *Corolla* hypocraterimorpha; *tubo* gracili, elongato; *limbus* lobis in æstivatione valde contortis. *Stamina* quatuor, didynama, fauce inserta, sterilia brevissima. *Antheræ* biloculares, nuticae, loculis parallelis. *Stigma* subulatum, incurvum, dorso canaliculatum. *Capsula* oblonga, tetrasperma, retinaculis acutis, dissepimentis breviter adnatis. *Semina* subrotunda, compressa, lævia, margine sericea pilis adpressis.—Suffrutices, *bracteis pulcherrime variegatis*; *bracteolis paucis, scariosis*.—*T. A.*

1. *D. montanus*, (var. a.) T. Anders. *E. montanum*, Roxb. Var. a,

N. ab E. in DC. Prod. xi. p. 448; Wight, Ic. t. 466.—c.p. 2003.—*Spicis* laxis; *bracteis* distantibus, lanceolatis, longissime attenuatis.

HAB. Common up to an elevation of 2000 feet.

A variable plant in the length and breadth of bracts, as well as in the amount of pubescence on the spikes.—*T. A.*

SUBORD 3. *ACANTHIDEÆ*—*Æstivatio corollæ imbricata vel imbricatolabata. Semina retinaculo uncinato suffulta.*

TRIB. *BARLERIÆ.*

13. *BARLERIA*, Linn.

1. *B. bispinosa*, Vahl, (DC. Prod. xi. p. 241)—c.p. 2013.—*B. spina Ceylanica*, N. ab E. l. c. p. 242.

HAB. Hot, drier parts of the island.

2 *B. Arnottiana*, N. ab E. in DC. l. c. p. 232.—c.p. 682, 310, ambi partim.

HAB. Newera Ellia.

Corolla pallide cyanea —*G. Tho*

3 *B. cristata*, Linn. (N. ab E. in Prod xi p. 229, cum syn.; Wight, Ic. t. 453.)—*B. dichotoma*, et *B. ciliata*, Roxb. Fl. Ind. *B. Nepalensis*, N. ab E. l. c. p. 228.

HAB. Common in gardens, but never met with truly wild in the island.

Repeated examinations of an extensive set of specimens in the Hookerian Herbarium have convinced me that *B. cristata*, *dichotoma*, *ciliata*, and *Nepalensis*, are forms of one variable species. The differences supposed to exist, in the leaves being stalked in *B. dichotoma* and sessile in *B. cristata*, are not at all constant. The inflorescence varies equally as much, the flowers being solitary in the axils of the leaves, or in short spikes of 4 or 5. The colour of the corolla varies from all shades of white to dark lilac or purple. Roxburgh describes and figures the corolla of his *B. dichotoma* as white.—*T. A.*

4. *B. nutans*, N. ab E. in DC l. c. p. 227 —c.p. 2011, 2559.

HAB. Central Province, at an elevation of 1000 to 3000 feet.

Corolla cyaneo-purpurea.—*G. Tho*.

5. *B. Prionitis*, Linn. (N. ab E. in DC. l. c. p. 237; Wight, Ic. t. 452)

HAB. Very abundant in the hotter parts of the island. Nom. vulg. "Kattoo Kurandoo."

This plant is employed as a medicine by the Cinghalese —*G. Tho*

6. *B. pentandra*, Arn. (N. ab E. in DC. l. c. p. 232; Wight, Ill. t. 164)—c.p. 310, 682, partim, et 2558.—*B. involucreta*, N. ab E. in DC. l. c.

HAB. Ambagamowa District.

Corolla cyaneo-purpurea.—*G. Tho*.

B. vestita, T. Anders.; herbacea, hirsuta pilis patentibus; *foliis* ovatis, ellipticis, utrinque attenuatis, petiolatis vel subsessilibus; *cymis* axillaribus terminalibusque, sparsifloris, laxis; *bracteis* angustissimo lanceolatis, acutis; *calycis* segmentis inæqualibus, lanceolatis, strigosis, exteriorum superiore acuto, inferiore minute bifido, interioribus acutis,

brevioribus; corolla anguste infundibuliformi, 3-pollicari, lobis tubo æquilongis (*T. A.*).—C.P. 2004.—*B. pentandra*, β , N. ab E. in DC. l. c. 233.

HAB. Central Province, and in the Saffragam District, up to an elevation of 5000 feet.

6–8-pedalis, hispida. *Folia* integra, 6–12 unc longa. *Cymæ* longe pedunculatæ, foliis paulo breviores. *Calyx* fulvus, strigosus. *Corolla* pallide purpurea vel albida.—*T. A.*

B. noctiflora and *B. burrifolia*, var. β The recording of these two plants from Ceylon seems to be an error of Nees von Esenbeck, as no specimen from Ceylon occurs in any of the extensive collections I have consulted. For *B. noctiflora* no authority is quoted by Nees but “Herb. Hook.,” and for *B. burrifolia*, var. β , “Forsyth, in Herb. eod.,” and I am informed that this botanist made no collections in Ceylon.—*T. A.*

14. CROSSANDRA, Salisb.

1. *C. infundibuliformis*, N. ab E. in Wall Pl. As. Rar.; DC. Prod. xi. p. 280, cum syn.; Wight, Ic. t. 460, et t. 461.—C.P. 255 (2015), 2016.—*C. axillaris*, *C. oppositifolia*, N. ab E. l. c. (*T. A.*)

HAB. Common in the warmer parts of the island.

15. LEPIDAGATHIS, Willd.

1. *L. Ceylanica*, N. ab E. Ill. Lepidag. (DC. Prod. xi. p. 259. *L. nervosa*, Wight, Ic. t. 1620)—C.P. 1985 (*T. A.*)

HAB. Not uncommon up to an elevation of 4000 feet.

2. *L. fasciculata*, N. ab E. Ill. Lepidag. (DC. Prod. xi. p. 260).—C.P. 1983.

HAB. Hot, drier parts of the island.

3. *L. Walkeriana*, N. ab E. in DC. l. c.; Wight, Ic. t. 1530.—C.P. 85, 1986.

HAB. Very common throughout the island.

4. *L. hyalina*, var. *a*, *lophostachyoides*, N. ab E. Ill. Lepidag. (DC. l. c. p. 252).—C.P. 1971.—*Spicis* terminalibus, subsæptatis, *filamentis* lineis purpureis transversim notatis (*T. A.*).

HAB. Central Province, at an elevation of 3000 to 4000 feet.

This variety may ultimately prove to be distinct from *L. hyalina*. In the absence of a sufficient number of specimens to decide from, I do not feel justified in making a new species of it.—*T. A.*

TRIB. ACANTHEÆ.

16. BLEPHARIS, Juss.

1. *B. molluginifolia*, Juss. (DC. Prod. xi. p. 266, cum syn.)—C.P. 3576.

HAB. Batticaloa District.

2. *B. Boerhaaviæfolia*, Juss. (DC. l. c. cum syn.; Wight, Ic. t. 458).—C.P. 2014.

HAB. Very abundant in the hot, drier parts of the island. Nom. vulg. “Laawaadaana.”

The Cinghalese use the leaves as a vulnerary.—*G. Thw.*

17. *ACANTHUS*, Linn.

1. *A. ilicifolius*, Blume, (DC. Prod. xi. p. 268, cum syn.; Wight, Ic. t. 459.)—C.P. 2018.—*Dilivaria ilicifolia*, Juss.

Var. *a. integrifolius*, T. Anders.—C.P. 2017.

HAB. Common near the sea.

TRIB. *ANDROGRAPHIDEÆ*.18. *ANDROGRAPHIS*, Wall.

1. *A. paniculata*, N. ab E. in DC. Prod. p. 515, cum syn.; Wight, Ic. t. 518.)—C.P. 3664 (1981 partim).

HAB. South of the island, not uncommon.

Pedunculi glabri.—*T. A.*

2. *A. alata*, N. ab E. in DC. l. c. p. 516, cum syn.—C.P. 1977.

HAB. Common upon banks, in the hot, drier parts of the island.

Folia linearia, lauceolata, vel oblonga, basi gradatim angustata. *Corolla* albida. *Antheræ* purpureæ.—*G. Thw.*

3. *A. macrobotrys*, N. ab E. in DC. l. c.—C.P. 3578, 1981 partim.

HAB. Near Kandy, not common.

Pedunculi patentim glanduloso-pilosi. *Corolla* pallide purpurea, interne labio inferiore nigro-purpureo albo-marginato. *Antheræ* purpureæ, basi albo-barbatae.—*G. Thw.*

4. *A. Ceylanica*, N. ab E. in DC. l. c. p. 518; Wight, Ic. t. 1560.

HAB. Ceylon, *Walker, in Herb. Hook.*

5. *A. echioides*, N. ab E. in DC. l. c. cum syn.; Wight, Ic. t. 467.—C.P. 606.

HAB. Very common in the hotter parts of the island.

19. *GYMNOSTACHYUM*, N. ab E.

1. *G. sanguinolentum*, T. Anders.—*Cryptophragmium sanguinolentum*, cum syn. et *C. axillare*, N. ab E. in DC. Prod. xi. p. 96; Wight, Ic. t. 1496 (*T. A.*)—C.P. 186.

HAB. Very common in forests, up to an elevation of 4000 feet.

Planta tota plus minus purpurascens. *Corolla* violacea.—*G. Thw.*

2. *G. Ceylanicum*, W. Arn. et N. ab E.; DC. Prod. xi. p. 93.—C.P. 2019.

HAB. Shady places, in the hot, drier parts of the island; not uncommon.

Folia superne secus costam venas primariasque albescencia. *Corollæ* tubo pallide purpureo; limbo flavo, externe virescente. *Antheræ* albidæ.—*G. Thw.*

3. *G. Thwaitesii*, T. Anders.; tomentosum, caule radicante; *foliis* ovatis, obtusis, basi inæqualibus, petiolatis, hirsutis; *paniculis* terminalibus, elongatis, multifloris; *ramulis* oppositis, cymiformibus, laxis; *bracteis* sulcatis (*T. A.*)—C.P. 3356.

HAB. Ambagamowa District.

4. *G. paniculatum*, T. Anders.; caule subquadrangulare, sulcato-tomentoso; *foliis* ovatis, subacutis, basi in petiolo attenuatis, pilis ad-

pressis hirsutis; *paniculis* terminalibus, multifloris, ramulis multifloris; *floribus* confertis; *calyce* quinque-partito, segmentis brevibus lanceolatis, glandulosis, tomentosis; *corolla* extus subtomentosa, limbo breve, 5-fido, labio inferiore longiore paulo inflato (*T. A.*).—C.P. 2994.

Var. *lævis*; *foliis* caulibusque glabris.

HAB. Saffragam and Gallo Districts, at an elevation of 1000 to 2000 feet.

Siepe omnino purpurascens, $1\frac{1}{2}$ –2-pedale. *Folia* 3–7 unc. longa, $1\frac{1}{2}$ – $2\frac{1}{2}$ unc. lata. *Corolla* 7 lin longa, violacea, limbo interne flavo-virescente. *Antheræ* albidæ.—*T. A.*

5. **G. hirsutum**, T. Anders.; *caule* erecto; *foliis* ovatis, acutis, basi attenuatis, petiolatis, subtus ad venos hirsutis, superne scabris, paniculis terminalibus confertis hirsutissimis; *bracteis* linearibus, ciliatis; *calyce* profunde 5-fido; *segmentis* longe setaceis, hirsute ciliatis; *corolla* calyce æquanti; *limbo* breviter 5-partito; *filamentis* basi paulo hirsutis; *capsula* 8–10-sperma (*T. A.*).

HAB. Central Province, at an elevation of 3000 to 5000 feet.

Purpurascens, 2–3-pedale. *Corolla* flavo-virescens. *Antheræ* albidæ.—*G. Thw.*

TRIB JUSTICIEE.

19. JUSTICIA, Linn.

1. **J. Adhatoda**, Linn.—*Adhatoda Vasica*, N. ab E. in DC. Prod. xi. p. 387, cum syn.—C.P. 1991.

HAB. Common. Nom. vulg. “Paawetta.”

Used medicinally by the Cinghalese as an expectorant for children.—*G. Thw.*

2. **J. Betonica**, Linn.—*Adhatoda*, N. ab E. in DC. l. c. p. 385. *A. variegata*, *A. ramosissima*, *A. Nilgherrica*, *A. trinervia*, *A. arenaria*, N. ab E. in DC. l. c. p. 385, 386, 387.

HAB. Very abundant. Nom. vulg. “Soodoo-pooroo-gass.”

A. Nilgherrica, Wight, Ic. t. 1544, *A. trinervia*, and *A. arenaria*, are merely stunted states of *J. Betonica*, with a complete suite of specimens it is impossible to distinguish them.—*T. A.*

3. **J. Tranquebariensis**, Linn.—*Adhatoda*, N. ab E. in DC. l. c. p. 399, cum syn.; Wight, Ic. t. 462 —C.P. 1993.

HAB. Hot, drier parts of the island.

Corolla albida vel rubra, fauce rubro maculata.—*G. Thw.*

4. **J. Ceylanica**, T. Anders.—*Adhatoda*, N. ab E. in DC. l. c. p. 400, cum syn.—C.P. 2422, 2718, 3110 (713 partim).

HAB. Not uncommon up to an elevation of 3000 feet.

5. **J. Hookeriana**, T. Anders.—*Adhatoda*, N. ab E. in DC. l. c. p. 403.—C.P. 701. *Leptostachya Zeylanica*, N. ab E. partim.

HAB. Very abundant on the banks of streams in the Central Province.

Bractes lineares vel subspathulatae.—*G. Thw.*

Macrae's plant in Herb. Benth. n. 423, quoted by Nees von Esen. as *Leptostachya Zeylanica*, is this species.—*T. A.*

6. **J. Gendarussa**, Linn.—*Gendurussa vulgaris*, N. ab E. in DC. l. c. p. 410, cum syn.—C.P. 3662.

HAB. Common. Nom. vulg. “Kalos-waaraneya.”

7. **J. glabra**, Kœnig.—*Rhaphidospora*, N. ab E. in DC. l. c. p. 499, cum syn.; Wight, Ic. 1554.—c.p. 2718, 3663 (713 partim).

HAB. Common in the Central Province.

20. RHINACANTHUS, N. ab E.

1. **R. communis**, N. ab E. in Wall. Pl. As. Rar. iii. p. 109; DC. Prod. xi. p. 442; Wight, Ic. t. 464.—*R. Rottlerianus*, N. ab E. l. c.—c.p. 1982.

HAB. Very abundant in the hotter parts of the island.

21. ROSTELLULARIA, Reichen.

1. **R. Royeniana**, N. ab E. in DC. Prod. xi. p. 373, cum syn.—*R. rotundifolia*, N. ab E. in DC. l. c. p. 370. *R. procumbens*, N. ab E. l. c. p. 371, et Wight, Ic. t. 1539. *R. Abyssinica*, Brongn. *R. mollissima*, N. ab E. l. c. p. 373. *R. crinita*, N. ab E. l. c. *R. simplex*, Wight, Ic. t. 1542 (*T. A.*).—c.p. 142, 228, 404, 2904, 509.

HAB. Very abundant throughout the island.

I have failed in finding any character by which to separate these species even as varieties, I am therefore forced to consider them as states of one very variable species.—*T. A.*

2. **R. diffusa**, N. ab E. in Wall. Pl. As. Rar.; DC. l. c. 371, cum syn.—c.p. 1976, 1992.

HAB. Common in the hot, drier parts of the island.

22. PERISTROPHE, N. ab E.

1. **P. tinctoria**, N. ab E. in Wall. Pl. As. Rar.; DC. Prod. xi. p. 493, cum syn.

HAB. Ceylon, *Walker, in Herb. Hook.*

23. MONOTHECIUM, Hochst.

1. **M. aristatum**, T. Anders.—*Anthocometes aristatus*, N. ab E. in DC. Prod. xi. p. 312, cum syn.—c.p. 1984.

HAB. Hot, drier parts of the island; not very common.

Corolla alba, labio inferiore fauce rufo maculato.—*G. Thw.*

24. RUNGIA, N. ab E.

1. **R. parviflora**, N. ab E. in Wall. Pl. As. Rar. (DC. Prod. xi. p. 469, cum syn.)—*R. pectinata*, N. ab E. in DC. l. c. p. 470; Wight, Ic. t. 1547. *R. muralis*, Royle. *R. polygonoides*, N. ab E. in Wall. Pl. As. Rar.; DC. l. c. p. 471. *R. origanoides*, N. ab E. in Wall. Pl. As. Rar.; DC. l. c. (*T. A.*).—c.p. 257, 1975, 3354, 3357.

HAB. Very abundant up to an elevation of 7000 feet.

Like most of the species of this genus, this plant varies much in the size and shape of the leaves and the form of the spikes of flowers, as well as in the extent of the scarious margin of the bracts, and also in the extent of cilia on the calyx-segments.—*T. A.*

2. *R. repens*, N. ab E. in Wall. Pl. As. Rar.; DC. l. c. p. 472, cum syn.; Wight, Ic. t. 465.—c.p. 257, 1972, 1973, 1974, 2935.

HAB. Very common in the hot, drier parts of the island.

Like the preceding species, this is very variable. There is a state of it from the Central Province in which the bracts are acutely lanceolate, and their scarious margin nearly absent.—*T. A.*

3. *R. longifolia*, N. ab E. et W. Arn. in DC. l. c. p. 471.—*R. latior*, N. ab E.; DC. l. c. p. 472. —c.p. 89, 257, 301, 686, 708, 1974, 3355.

HAB. Ramboda and Adam's Peak.

25. DICLIPTERA, JUSS.

1. *D. bivalvis*, JUSS. in Ann. Mus. (DC. Prod. xi. p. 475.)—*D. Zeylanica*, N. ab E. in DC. l. c. 474.—c.p. 399, 2576.

HAB. Not uncommon on shaded banks, in the hot, drier parts of the island

c.p. 2576 is the normal state of this species, c.p. 399 is probably only a stunted condition of it —*T. A.*

26. ERANTHEMUM, LINN.

1. *E. crenulatum*, Wall. in Bot. Reg. t. 879 (DC. Prod. xi. p. 453.) —c.p. 1703, 1979

HAB. Not uncommon.

2. *E. Ecbolium*, T. Anders.—*Justicia*, Linn; N. ab E. in DC. l. c. p. 426, cum syn.; Wight, Ic. t. 463. *J. gymnostachya*, N. ab E. in DC. l. c. *J. heterocens*, Vahl, En. i. p. 118? *J. strobilifera*, Lam. Ill. i. p. 36? *J. emarginata*, N. ab E. in DC. l. c. p. 427 *J. rotundifolia*, N. ab E. in Wall. Pl. As. Rar. iii. p. 108. *J. syringifolia*, Vahl, En. i. p. 117? *J. lvrda*, Wall. Cat. n. 2482 c. *J. dentata*, Kleim. (*T. A.*).—c.p. 1978

HAB. Common in the hot, drier parts of the island; a very variable and widely diffused plant.

27. PTYSSIGLOTTIS, T. Anders.

Calyx profunde 5-partitus, aequalis. *Corolla* infundibuliformis; *limbus* 5-partitus, *labio* inferiore longitudinaliter plicato, *lobis* lateralibus externis in aestivatione. *Stamina* duo. *Anthere* biloculares, *loculis* parallelis, muticis, ovatis. *Stigma* capitatum, clavatum, obtusum. *Cap-sula* basi dissepimentis adnatis, apice tetrasperma. *Semina* discordea, minute tuberculata (*T. A.*).

1. *P. radicata*, T. Anders.—*Rhytiglossa radicata*, N. ab E. in DC. Prod. xi. p. 344. *Rastellularia sarmentosa*, Zollinger, Pl. Jav.; DC. l. c. p. 370 (*T. A.*).—c.p. 3538.

HAB. Hot, drier parts of the island.

Corolla alba, 6 lin longa, *labio* superiore bipartito, *segmentis* oblongis, subacutis, inferiore tripartito, *segmentis* rotundatis.—*G. Thw*

28. ASYSTASIA, Blume.

1. *A. Gangetica*, T. Anders.—*A. Coromandeliana*, N. ab E. in Wall.

Pl. As. Rar.; DC. Prod. xi. p. 165, cum syn.; Wight, Ic. t. 1506. *A. plumbaginea*, N. ab E. in Wall. Pl. As. Rar. *A. quaterna*, N. ab E. in DC. l. c. p. 166. *A. intrusa*, N. ab E. in DC. l. c. *A. calycina*, Benth. Fl. Niger. p. 478. *A. Bojeriana*, N. ab E. in DC. l. c. *A. Comorensis*, Bojer; DC. l. c. (*T. A.*)—c.p. 1998.

HAB. Very abundant in the hotter parts of the island.

The extensive distribution of this species over tropical Asia and Africa renders the specific name adopted by Nees von Esenbeck quite inappropriate, and the same objection may be made to the original one given by Linnaeus, and which, as being the oldest, I have revived. For so cosmopolitan a plant the specific term *communis* or *vulgaris* would perhaps be more suitable. The notes by Mr. Benthams to the *Asystasiae* of the 'Flora Nigritiana' show that I have the best authority for the greater part of the identifications I have made of this variable species—*T. A.*

2. *A. chelonoides*, N. ab E. in Wall. Pl. As. Rar.; DC. l. c. p. 164, cum syn.—*A. nemorum*, N. ab E. l. c. et DC. l. c. p. 167, cum syn. (*T. A.*)—c.p. 552, 1989.

HAB. Very abundant up to an elevation of 3000 feet.

Mr Thwaites observes that the somewhat procumbent habit, smaller flowers and shorter pedicels, seem sufficiently to distinguish *A. nemorum* from *A. chelonoides*, and that when growing they look very different, but I have been unable to find any sufficient characters amongst the large series of specimens contained in the Hookerian Herbarium, and moreover Nees and others have partially united them—*T. A.*

CXVIII. LABIATÆ.

TRIB. OCIMOIDEÆ.

1. OCIMUM, Linn.

1. *O. canum*, Linn. (Benth. in DC. Prod. xii. p. 32, cum syn.)—c.p. 3624.

HAB. Very abundant in waste ground about native gardens. Nom. vulg. "Heen-talla."

O. Basilicum, Linn., is very common as a cultivated plant in native gardens. Is it really specifically distinct from *O. canum*?

2. *O. gratissimum*, Linn. (Benth. l. c. p. 34, cum syn.)—c.p. 2062.

HAB. Common in the warmer parts of the island.

3. *O. suave*, Willd. (Benth. l. c. p. 35, cum syn.)—c.p. 3623.

HAB. Ambagamowa; not common.

4. *O. sanctum*, Linn. (Benth. l. c. p. 38, cum syn.)—*O. tenuiflorum*, Linn.; Benth. l. c. p. 39.—c.p. 249.

HAB. Common in waste places. Nom. vulg. "Madooroo-tallu."

Much used as a medicine by the Cinghalese.

2. GENIOSPORUM, Wall.

1. *G. elongatum*, Benth. Lab. p. 21 (DC. Prod. xii. p. 45.)—c.p. 2080.

HAB. Common in grassy places in the Central Province, at an elevation of 4000 to 6000 feet.

2. *G. prostratum*, Benth. in Wall. Pl. As. Rar. ii. p. 18; DC. l. c.—c.p. 2079.

Var. β . *gracile*.—*G. gracile*, Benth. Lab. p. 21; DC. l. c.—c.p. 2078 (2081).

HAB. Warmer parts of the island; not uncommon.

I can find no constant character to distinguish *G. gracile* from *G. prostratum*, and they appear to pass insensibly into one another.

3. MOSCHOSMA, Reich.

1. *M. polystachyum*, Benth. in Wall. Pl. As. Rar. ii. p. 13; DC. Prod. xii. p. 48, cum syn.—c.p. 2056.

HAB. Hotter parts of the island, not uncommon.

4. ORTHOSIPHON, Benth.

1. *O. diffusus*, Benth. in DC. Prod. xii p. 50.

HAB. Ceylon, *Walker, in Herb. Hook.*

2. *O. glabratus*, Benth. in Wall. Pl. As. Rar. ii. p. 14; DC. l. c. cum syn.—c.p. 2059

HAB. Common in the hot, drier parts of the island.

This varies very much in the size of the flowers

5 PLECTRANTHUS, L'Her.

1. *P. capillipes*, Benth. in DC. Prod. xii p. 57.—c.p. 2064

HAB. Central Province, at an elevation of 3000 to 5000 feet.

Corolla alba, labio inferiore rubro-maculato

2 *P. nigrescens*, Benth. Lab. p. 710; DC. l. c. p. 58—*P. Walkeri*, Benth. l. c. *P. scabrellus*, Benth. l. c. *P. laus*, Benth. l. c. p. 57.—c.p. 90, 425 (461, 583, 687, 2060, 2061).

HAB. Central Province, at an elevation of 4000 to 7000 feet.

Corolla alba, rubro-maculata

A most variable plant, as regards the size and shape of the leaves, and the amount of pubescence.

3. *P. Coetsa*, Don, (Pr. Fl. Nep. p. 117; Benth. l. c. p. 58.)—*P. menthoides*, Benth. l. c. p. 59. *P. Macraei*, Benth. l. c.; Wight, Ic. t. 1430.—c.p. 2063.

HAB. Central Province. at an elevation of 4000 to 6000 feet.

4 *P. subincisus*, Benth. in Wall. Pl. As. Rar. ii. p. 16; DC. Prod. xii. p. 66.—c.p. 2890.

HAB. Ceylon, *Macrae*.

I have never met with this species in a growing state, and there is no record of whence the very indifferent specimen in the Herbarium was obtained.

5. *P. Gardneri*, Thw.; *caule* herbaceo, breve piloso, basi decumbente; *foliis* ovatis vel rotundatis, grosse dentatis vel subincisis, crenatis, minute ciliatis, superne villosulis, subtus glanduloso-punctatis, basi subacutis, petiolo longiusculo nervisque tomentellis; *racemis* elongatis, glanduloso-tomentellis, parce ramosis; *verticillastris* distantibus, 4-6-floris; *bracteis* minutis, ciliatis; *pedicellis* calyce fructifero nutante subaequilongis.—c.p. 16 (84, 264)

HAB. In damp, shady places, as Newera Ellia and other of the more elevated parts of the Central Province.

1-2-pedalis, plus minus rufescens. *Calyx finctifer* subglaber, prominentium parce reticulatus, 2 lin longus, dente supremo rotundato, obtuso, inferioribus lanceolatis, infimis subulato-acuminatis. *Corolla* purpurea, calyce duplo longior, lacina infima porrecta concava. (*P. Sieberi* affinis, *H.f.*)

6. **P. Zeylanicus**, Benth. Lab. p. 36; DC. l. c.—c.p. 2083.

HAB. Rambodde, in the Central Province. *Gardner*. Nom. vulg. "Ereweriya."

This is commonly cultivated in native gardens as a medicinal plant, but I have never found it truly wild.

Plect. tuberosus, Blume (*Colens tuberosus* and *C. parviflorus*, Benth.), is cultivated by the Cinghalese for the sake of its tuberous roots, which are eaten as a vegetable.

6. COLEUS, Lour.

1. **C. barbatus**, Benth. in Wall Pl. As. Rar. ii. p. 15; DC. Prod. xii. p. 71, cum syn.; Wight, Ic. t. 1432 —c.p. 2069.

HAB. Common on rocky places in the Oovah District, at an elevation of 2000 to 5000 feet.

2. **C. Malabaricus**, Benth. in Wall Pl. As. Rar. ii. p. 16; DC. l. c. p. 76, cum syn —*C. ovatus*, Benth. in DC. l. c. *C. Macraei*, Benth. l. c. p. 77. *C. Walkeri*, Benth. l. c. *C. leptostachys*, Benth. l. c. *C. mollis*, Benth. l. c —c.p. 17, 2066, 2095, 3435 (2067).

HAB. Common in damp, bushy places, up to an elevation of 6000 feet.

A most variable species as respects amount of pubescence, size and form of the leaves and of the inflorescence, and the several forms run so insensibly into one another that I am quite unable to separate them satisfactorily, even as distinct varieties.

3 **C. inflatus**, Benth. Lab. p. 58; DC. Prod. xii. p. 78.—*C. Benthamianus*, Arn. in Nov. Act. Nat. Cur. xviii. p. 354, Benth. in DC. l. c —c.p. 2065.

HAB. Abundant at Newera Ellia, Horton Plains, etc., at an elevation of 6000 to 8000 feet.

Col. aromaticus, Benth (nom. vulg. "Koppiawalleya") is cultivated by the Cinghalese as a medicine for cattle. *C. Blumei*, Benth, with its variety *C. laciniatus*, Benth, is a common ornamental plant in the island.

7. ANISOCHILUS, Wall.

1. **A. carnosus**, Wall. Pl. As. Rar. ii. p. 18; Benth. in DC. Prod. xii. p. 81, cum syn —c.p. 2055.

HAB. Warmer parts of the island, not very common. Nom. vulg. "Gal-kopprawalleya."

2. **A. paniculatus**, Benth. l. c. p. 82.

HAB. Ceylon, *Walker*, in *Herb. Hook.*

3. **A. suffruticosus**, Wight, Ic. t. 1437.—c.p. 3573.

HAB. Gunner's Quoin, in the Batticaloa District.

In the present plant the spikes of flowers are much shorter, the leaves are tomentose (not villous), and not so crowded together as in the plant figured by Dr Wight, but from their general similarity I think they are no doubt forms of one species.

TRIB. SATURIEÆ.

8. POGOSTEMON, Desf.

1. **P. Heyneanus**, Benth. in Wall. Pl. As. Rar. i. p. 31; DC. Prod. xii. p. 153, cum syn.; Wight, Ic. t. 1440.—c.p. 33 (2073, 2401).

HAB. Common throughout the island. Nom. vulg. "Gang-Kolang-kola."

The leaves of this plant are used by the Cinghalese medicinally, as a sternutatory.

2 **P. rupestris**, Benth. Lab. p. 156; DC. l. c. p. 154.—c.p. 343.

Var β . *hirsutus*.—*P. hirsutus*, Benth. in DC. l. c.—c.p. 283.

HAB. Central Province, at an elevation of 5000 to 8000 feet.

Although the extreme forms of var α and β of this species look very distinct, they are so completely connected by intermediate ones that I find it quite impossible to discover any constant character by which to separate them. The plant figured by Dr. Wight (Ic. t. 1442) under the name of *P. hirsutus* must certainly be, as he himself suspects, quite a distinct species.

3. **P. reflexus**, Benth. in DC. l. c. p. 155.—c.p. 154.

HAB. The more elevated parts of the Central Province, not very common.

9. DYSOPHYLLA, Blume.

1. **D. auricularia**, Bl. (Benth. in DC. Prod. xii. p. 156, cum syn.; Wight, Ic. t. 1445)—c.p. 26.

HAB. Very common on the borders of paddy-fields. Nom. vulg. "Kamamilla."

2. **D. verticillata**, Benth. in Wall. Pl. As. Rar. i. p. 30, DC. l. c. p. 157, cum syn.—*D. crassicaulis*, Benth. l. c. p. 158. *D. tetraphylla*, Wight, Ic. t. 1441.—c.p. 2082.

HAB. Hotter parts of the island, not uncommon.

10. MENTHA, Linn.

1. **M. arvensis**, Linn. (Benth. in DC. Prod. xii. p. 171, cum syn.)—*M. Javanica*, Blume; Benth. l. c. cum syn.—c.p. 2077.

HAB. Borders of paddy-fields, in the Central Province. Nom. vulg. "Odoo-talan."

11. CALAMINTHA, Benth.

1. **C. Clinopodium**, Benth.—Var. *umbrosa*, H. f. MS. *C. umbrosa*, Benth. in DC. Prod. xii. p. 232. *C. repens*, Benth. l. c. p. 233, cum syn. *Melissa umbrosa*, Wight, Ic. t. 1447.—c.p. 2058.

HAB. Newera Elha.

TRIB. STACHYDEÆ.

12. SCUTELLARIA, Linn.

1. **S. violacea**, Heyne, (Wall. Pl. As. Rar. i. p. 66; Benth. in DC. Prod. xii. p. 418, cum syn.; Wight, Ic. t. 1449.)—*S. floribunda*, Benth. l. c. *S. robusta*, Benth. l. c.—c.p. 217, 2716 (527).

Var. β ; *tota planta glabra vel subglabra; foliis acutius dentatis*.—An *S. oblonga*, var. γ , Benth. l. c. p. 3370.

Var. γ ; *caule repente, radicante, patentum piloso; foliis rotundatis, subacutis, crenatis, villosulis; floralibus majoribus quam in var. α et β* .—c. p. 302.—An species distincta?

HAB. Very common in the Central Province, up to an elevation of 7000 feet. Var. γ . Horton Plains.

A very variable plant in the size of the flowers and in the amount and character of the pubescence, which latter upon the racemes varies from very glandular to being nearly or quite free from glands. Var. γ may possibly prove to be a distinct species, but I am disposed to believe it to be only a variety.

2. *S. oblonga*, Benth l. c.—c. p. 2057.

HAB. Common on the rocky margins of streams in the Central Province, up to an elevation of 7000 feet.

All my specimens have the leaves with their base narrowed gradually into the petiole, and therefore belong to Bentham's var. β of this species, and which would seem to be the typical form of it.

13. ANISOMELES, R. Br.

1. *A. ovata*, R. Br. in Ant. Hort. Kew; Benth. in DC. Prod. xii. p. 455, cum syn.; Wight, l. c. t. 865.—c. p. 2072.

HAB. Very common up to an elevation of 3000 feet. Nom. vulg. "Yakwanassa."

2. *A. Malabarica*, R. Br. in Bot. Mag. t. 2071; Benth l. c. p. 456, cum syn.; Wight, l. c. t. 864.—c. p. 3572.

HAB. Hot, drier parts of the island.

14. LEUCAS, Benth

1. *L. mollissima*, Wall. Pl. As. Rar. i. p. 62; Benth. in DC. Prod. xii. p. 525.—*L. pilosa*, Benth. in Wall. l. c.—c. p. 2075.

HAB. North of the island, *Gardner*.

I suspect that this is a mere state or variety of the following species, as the difference between the two plants is scarcely sufficient to be considered specific.

2. *L. marrubioides*, Desf. (Benth. in DC. Prod. xii. p. 528.)—c. p. 2071.

HAB. Very common in the warmer parts of the island. Nom. vulg. "Sooddoo-toomba."

3. *L. pubescens*, Benth. Lab. p. 610; DC. Prod. p. 528.—An *L. angularis*, Benth. in Wall. Pl. As. Rar. i. p. 62; DC. Prod. p. 526?

HAB. Ceylon, *Macrae* (Herb. Hook.).

The species of this genus being so variable, may not thus be a form only of the preceding?

4. *L. procumbens*, Desf. (Benth. in DC. Prod. xii. p. 527.)—*L. biflora*, Br.; Benth. l. c.; Wight, l. c. t. 866.—c. p. 2053, 2074.

HAB. Very abundant throughout the island, from the level of the sea up to 8000 feet.

Tota planta mollior pubescens vel strigosula. Calyx omnino pubescens vel inter costas glaber, 3-4 lin. longus.

5. *L. Zeylanica*, R. Br. (Prod. p. 504; Benth. l. c. p. 531.)—*L. as-*

pera, Spr. Benth. l. c. p. 532. *L. diffusa*, Benth. l. c. cum syn. *L. hyssopifolia*, Benth. l. c. *L. Walkeri*, Benth. l. c.—c.p. 2076.

Cf. *L. dimidiata*, Spr., and *L. linifolia*, Spr.

HAB. Very common throughout the island. Nom. vulg. "Gatta-toomba."

A most variable species. The Cinghalese use the leaves as a medicine, and in some parts of the island, I am told, as a vegetable in their curries.

15 LEONOTIS, R. Br.

1. *L. nepetæfolia*, R. Br. (Prod. p. 501; Benth. in DC. Prod. xii. p. 535, cum syn.; Wight, Ic. t. 867.)—c.p. 2070.

HAB. Hot, drier parts of the island. Nom. vulg. "Maha-yakwan-assa."

TRIB. AJUGEÆ.

16. TEUCRIUM, Linn.

1. *T. tomentosum*, Heyne, (Benth. in Wall. Pl. As. Rar. i. p. 58; DC. Prod. xii. p. 582; Wight, Ic. t. 1458)—c.p. 212.

HAB. Central Province, at an elevation of 5000 to 7000 feet.

CXIX. VERBENACEÆ.

TRIB. VERBENÆ.

1. BOUCHEA, Cham.

1. *B. Hyderabadensis*, Walp. Rep. iv. p. 12; Schauer in DC. Prod. xi. p. 559, cum syn.; Wight, Ic. t. 1462.—c.p. 3574.

HAB. On an open grassy spot between Madamahanevura and Aloot-nevura, in the Central Province.

1-2-petalis. *Corolla* roseo-purpurea, 8-9 lin. in exp., ad faucem minute pilosula et intensius colorata; *lobis* oblongis rotundatis, inferiore latiore, saepe retuso. *Anthararum* 2 superiores parum majores. *Stylus* apicem prope abrupte deflexus. *Stigma* parvum. *Cocci* lineares, 4 lin longi, membranaceo-marginati, externe striati, interne minute tuberculati.

2. STACHYTARPHA, St.

1. *S. Indica*, Vahl, Enum. i. p. 206; Sch. in DC. Prod. xi. p. 564.—c.p. 3153.

HAB. Very common throughout the island. Nom. vulg. "Balloona-koota."

S. JAIMAICENSIS is a very common weed in cultivated ground, having become quite naturalized in the island.

3. LIPPIA, Linn.

1. *L. nodiflora*, Rich. (Sch. in DC. Prod. xi. p. 585, cum syn.; Wight, Ic. t. 1463.)—c.p. 1947.

HAB. Very abundant near the sea. Nom. vulg. "Herimanadatta."

4. LANTANA, Linn.

1. **L. alba**, Mill. (Sch. in DC. Prod. xi. p. 606, cum syn.)—*Lantana Indica*, Roxb.; Wight, Ic. t. 1464—c.p. 498.

HAB. Near Galagama, in the Central Province.

Corolla (in meis specimen.) pallide purpurea.

L. MIXTA, Linn. (*L. aculeata*, Hort), introduced into the island about thirty-five years ago, has become not only quite naturalized, but covers many hundred acres of uncultivated land in many parts of the island. *Lant. trifolia*, Linn., is also not an uncommon weed in cultivated ground.

TRIB. VITICEÆ.

5. SYMPHOREMA, Roxb.

1. **S. involucratum**, Roxb. (Sch. in DC. Prod. xi. p. 621; Wight, Ic. t. 362) c.p. 3645.

HAB. Near Trincomalie, *Rev. S. O. Glenie*.

6. PREMNA, Linn

1. **P. purpurascens**, Thw.; scandens; ramulis teretibus, striatis; foliis glabris, oblongis, abrupte breve et obtuse acuminatis, subcordatis, subtus minutissime reticulatis, petiolatis, paniculis tomentellis, terminalibus, divaricato-corymbosis, multifloris, laxis; floribus minutis; calyce subintegro; corolla subaequaliter 4-loba, lobis rotundatis, reflexis; staminibus exsertis, filamentis aequalibus, fauce insertis.—*Phænicanthus Zeylaicus*, Thw. in Herb. Hook.—c.p. 2698.

HAB. Ambagamowa District, at no great elevation.

Folia 3-6-poll. longa, $1\frac{1}{2}$ -3 poll. lata, hæte viridia, vena cum petiolo $\frac{1}{2}$ -2 poll. longo purpurascens. *Panicula* folio multum brevioris, purpurea. *Corolla* pallide purpurea.

2. **P. serratifolia**, Linn. (Sch. in DC. Prod. xi. p. 632, cum syn.)—*P. integrifolia*, Linn.; Wight, Ic. t. 1469.—c.p. 1953.

HAB. Very common in the hotter parts of the island. Nom. vulg. "Middee-gass."

The root of this plant is used medicinally by the Cinghalese.

3. **P. latifolia**, Roxb. Fl. Ind. iii. p. 76, Sch. l. c. p. 635; Wight, Ic. t. 869.—An *P. viburnoides*, Wall. Sch. l. c. ?—c.p. 2893.

HAB. Trincomalie, *Rev. S. O. Glenie*. Cultura. Nom. vulg. "Middee-gass."

Like the preceding, of which this is possibly merely a variety, the present plant is employed as a medicine by the natives.

4. **P. micrantha**, Schauer, l. c. ?—An *P. mucronata*, Roxb. Sch. l. c. ?—c.p. 2541.

HAB. Maturatte District.

Arborea, 8-10-pedalis. *Ramuli juniores* pubescentes. *Folia* integra vel irregulariter serrata, basi angustata vel rotundata, superne puberula, subtus cum petiolo pubescentia. *Corolla* flava, interne fulvo-tincta.

Though this does not quite agree with the description of either of the two species quoted above, it is not improbably one of them, and I hesitate, with the materials I have, to describe it under a new specific name.

5. *P. tomentosa*, Willd. (Sch. in DC. l. c. p. 634, cum syn.; Wight, Ic. t. 1468.)—C.P. 747.

HAB. Common up to an elevation of 3000 feet. Nom. vulg. "Boosairoo-gass."

6. *P. procumbens*, Wall. (Sch. l. c. p. 636.)—C.P. 325.

HAB. Hotter parts of the island, not uncommon.

7. *Pæcordifolia*, Roxb. Fl. Ind. iii. p. 78; Sch. l. c. p. 632; Wight, Ic. t. 1483—C.P. 193.

HAB. Hot, drier parts of the island

Folia subglabra vel subtus tomentosa *Corolla* flavida, plus minus rubro tincta.

7. CALLICARPA, Linn.

1. *C. Wallichiana*, Walp. Rep. iv. p. 125; Sch. in DC. Prod. xi. p. 641, cum syn.; Wight, Ic. t. 1480—C.P. 722.

HAB. Very common up to an elevation of 4000 feet. Nom. vulg. "Eela-gass."

8. CLERODENDRON, Linn.

1. *C. inerme*, R. Br. in Ait. Hort. Kew.; Sch. in DC. Prod. xi. p. 660, cum syn.—C.P. 1949.

HAB. Very common near the sea. Nom. vulg. "Wal-gooranda."

2. *C. phlomoides*, Linn. (Sch. l. c. p. 663, cum syn.; Wight, Ic. t. 1473)—C.P. 1950.

HAB. Hotter parts of the island, not very common.

3. *C. serratum*, Spr. (Sch. l. c. p. 664, cum syn.; Wight, Ic. t. 1472.)—C.P. 1951.

HAB. Not uncommon up to an elevation of 2000 feet. Nom. vulg. "Ken-handa"

4. *C. Linnæi*, Thw.—An *Volkameria scandens*, Linn. f. Supp. p. 292; Sch. l. c. p. 657?—C.P. 1948.

HAB. Hot, drier parts of the island.

Scandens. *Ramuli juniores* subteretes, pilosi *Folia* obovato-rotundata, subcordata, apiculata, superne pilosula, subtus pallidiora, glanduloso-punctata et præcipue ad nervos pilosa, 2-3 polli longa. *Petiole* 2-3 lin longo *Panicula* terminalis, foliosa, corymbiformis, compactæ, incano-pilosa. *Pedicelli* subnulli *Calyx* hypocrateriformis, brevis 5-dentatus, in anthesi $1\frac{1}{2}$ lin longus. *Corolla* alba, externe pilosa, *tubo* 3 lin longo, *limbo* 5 lin. in exp., lobis oblongis obtusis, inferiore parum longiore. *Filamenta* valde elongata.

This is most probably, I think, *Volk. scandens*, Linn. f., but, as the description of the latter does not quite accord with our plant, and as the name of *Cler. scandens* has been applied by Palisot de Beauvois to another species of the genus, I have thought it best to call the present *Cler. Linnæi*.

5. *C. infortunatum*, Linn. (Sch. l. c. p. 667, cum syn.; Wight, Ic. t. 1471.)—C.P. 2894.

HAB. Not uncommon in damp forests, up to an elevation of 5000 feet. Nom. vulg. "Gas-pinna."

C. SIPHONANTHUS, R. Br., is common in gardens, but is not truly indigenous.

9. **GMELINA**, Linn.

1. **G. Asiatica**, Linn. (Sch. in DC. Prod. xi. p. 679, cum syn.)—*G. parvifolia*, Roxb. Pl. Cor. ii. t. 162; Sch. l. c. cum syn.—c.p. 1952.

HAB. Very common up to an elevation of 2000 feet. Nom. vulg. "Gatta-demmata."

2. **G. Rheedei**, Hook. Bot. Mag. t. 4395; Walp. Ann. iii. p. 239.—*G. arborea*, Wight, Ic. t. 1470.—An *G. arborea*, Roxb., var. ?—c.p. 128 (698).

HAB. Common up to an elevation of 5000 feet. Nom. vulg. "At-demmata."

Arbor ingens, 40-50-pedalis, patula

The bark and roots of this and the preceding species are used medicinally by the Cinghalese

10. **VITEX**, Linn.

1. **V. trifolia**, Linn. (Sch. in DC. Prod. xi. p. 683, cum syn.)—c.p. 1955.

HAB. Near the sea, not uncommon

2. **V. Negundo**, Linn. (Sch. l. c. p. 684, cum syn.; Wight, Ic. t. 519)—c.p. 1956.

HAB. Common on the banks of rivers and streams, up to an elevation of 3000 feet. Nom. vulg. "Sooddoo-mikka-gass."

3. **V. altissima**, Linn. f. (Sch. l. c. p. 685, cum syn.; Wight, Ic. t. 1466)—An *V. alata*, Heyne, Sch. l. c. ?—c.p. 1958.

HAB. Common in forests, up to an elevation of 3000 feet. Nom. vulg. "Mihilla-gass," "Meeyan-mihilla-gass."

Folia subglabra vel subtus molliter pubescentia, *petiolo* sæpe plus minus alato.

This tree produces one of the most valuable timbers in the island for building and other purposes.

4. **V. pubescens**, Vahl, (Sch. l. c. cum syn.; Wight, Ic. t. 1465.)

HAB. Ceylon, *Walker*, (*Herb. Hook.*)

5. **V. leucoxydon**, Linn. f. (Sch. l. c. p. 692, cum syn.; Wight, Ic. t. 1467.)—*V. saligna*, Roxb. Sch. l. c.—c.p. 1957.

HAB. Hotter parts of the island, not uncommon.

TRIB *AVICENNIEÆ*11. **AVICENNIA**, Linn.

1. **A. officinalis**, Linn. (Sch. in DC. Prod. xi. p. 700, cum syn.; Wight, Ic. tt. 1481, 1482.)—c.p. 1961 (1962).

HAB. Not uncommon near the sea.

CXX. **PLUMBAGINACEÆ**.1. **PLUMBAGO**, Tourn.

1. **P. Zeylanica**, Linn. (Boissier in DC. Prod. xii. p. 692, cum syn.)—c.p. 2265.

HAB. Very common in the hotter parts of the island. Nom. vulg. "Ella-nettol."

P. ROSEA, Linn, called by the Cinghalese "Rat-nettol," is not uncommon in gardens, but I cannot hear of its occurring truly wild. It is much valued as a medicinal plant.

CXXI. PLANTAGINACEÆ.

1. PLANTAGO, Linn.

1. **P. major**, Linn. (Var. β *Asiatica*, Dene in DC. Prod. xiii.-i. p. 694.)—*P. Asiatica*, Linn.—c. p. 2246.

HAB. Common in the most elevated parts of the Central Province.

P. LANCEOLATA, Linn., is become a common weed at Newera Elia, having been introduced with grass-seeds from Europe.

CXXII. NYCTAGINACEÆ.

1. PISONIA, Plum.

1. **P. aculeata**, Linn.; Choisy in DC. Prod. xiii.-ii. p. 440, cum syn.—*P. villosa*, Poir. l. c. *P. Georgina*, Wall —c. p. 2266.

HAB. Not uncommon up to an elevation of 3000 feet.

2. BOERHAAVIA, Linn.

3. **B. diffusa**, Linn.; Choisy in DC. Prod. xiii.-ii. p. 452, cum syn.—*B. procumbens*, Roxb., Wight, Ic. t. 874—c. p. 1099.

HAB. Very common on sandy or gravelly places. Nom. vulg. "Pittasooddoo-pala."

CXXIII. POLYGONACEÆ.

1. POLYGONUM, Linn.

1. **P. barbatum**, Linn. (Meisner in DC. Prod. xiv. p. 104, cum syn.; Wight, Ic. t. 1798.)—c. p. 3000.

HAB. Warmer parts of the island, not uncommon.

2. **P. Posumbu**, Ham. in Don Pr. Fl. Nep. p. 71; Wall. Cat. N.; an Meisner?—*P. strictum*, Alhorn; Wight, Ic. t. 1800.—c. p. 2591.

HAB. Dimboola, in the Central Province, at an elevation of 4000 feet.

3. **P. serrulatum**, Lag. (Meisn. l. c. p. 110, cum syn.)—c. p. 2999.

HAB. Galle.

This is considered by Dr. Hooker to be merely a variety of *P. mite*, Sehr

4. **P. glabrum**, Willd. (Meisn. l. c. p. 114, cum syn.; Wight, Ic. t. 1799.)—c. p. 2907.

HAB. Very common up to an elevation of 3000 feet.

Dr. Hooker believes this to be a variety of *P. Persicaria*, Linn

5. **P. tomentosum**, Willd. (Meisn. l. c. p. 124, cum syn.)—c.p. 2248.
HAB. Very common in the warmer parts of the island.
6. **P. perforatum**, Meisn. l. c. p. 128, cum syn.—*P. Nepalese*, Meisn. l. c. ; Wight, Ic. t. 1804.—c.p. 2251.
HAB. Very abundant throughout the island.
7. **P. Chinense**, Linn. (Meisn. l. c. p. 130, cum syn. ; Wight, Ic. t. 186.)—c.p. 2249.
HAB. A very common plant.
8. **P. strigosum**, R. Br. (Meisn. l. c. p. 134, cum syn.)—*P. muricatum*, Meisn. l. c. p. 133.—c.p. 2250.
HAB. Most elevated parts of the Central Province.
9. **P. pedunculare**, Wall. (Meisn. l. c. p. 133, cum syn.)—c.p. 3348.
HAB. South of the island.

CXXIV. SALSOLACEÆ.

1. CHENOPODIUM, Tourn.

1. **C. murale**, Linn. (Moqum in DC. Prod. xiii.-ii p. 69, cum syn.)—c.p. 3658
HAB. Trincomalie, *Rev. S. O. Glenie*.

2. ATRIPLEX, Gartn.

1. **A. repens**, Roth, (Moq. l. c. p. 99)—c.p. 2252.
HAB. North of the island, *Gardner*.

3. ARTHROCNEMUM, Moqum.

1. **A. Indicum**, Moq. in DC. Prod. xiii.-ii p. 151, cum syn.—*Salicornia Indica*, Willd. ; Wight, Ic. t. 737.—c.p. 2262.
HAB. North of the island.

4. SUÆDA, Forsk.

1. **S. nudiflora**, Moq. in DC. Prod. xiii.-ii p. 155, cum syn.—c.p. 2261.
HAB. Putlam, *Moon*. Trincomalie, *Rev. S. O. Glenie*. Batticoola, etc.

In my specimens the styles vary in number from 2 to 5, but there are most commonly 4.

2. **S. Indica**, Moq. l. c. p. 156, cum syn. ; Wight, Ic. t. 1796.—c.p. 2260.

HAB. Putlam, *Moon*. Jaffna, and Calpentyne, *Gardner*.

I have not seen fresh specimens in flower of this species, so have not had an opportunity of comparing it so critically as I could wish with the preceding, to which it is evidently very closely allied.

BASELLA RUBRA, Linn., is commonly cultivated in gardens, but is certainly not indigenous

CXXV. AMARANTACEÆ.

1. CELOSIA, Linn.

1. **C. polygonoides**, Retz, (Moquin in DC. Prod. xiii.-ii. p. 238, cum syn.)—C.P. 2240.

HAB. North of the island, *Gardner*.

2. **C. pulchella**, Moq. l. c. cum syn.; Wight, Ic. t. 1768.—C.P. 2238.

HAB. Common in the hot, drier parts of the island.

3. **C. argentea**, Moq. l. c. p. 242, cum syn.; Wight, Ic. t. 1767.—An *C. cristata*, Moq. l. c., var. ?—C.P. 2245.

HAB. Warmer parts of the island. Nom. vulg. "Kirri-handa"

2. CHAMISSOA, Kunth

1. **C. nodiflora**, Mart. (Moq. in DC. Prod. xiii.-ii. p. 249, cum syn.; Wight, Ic. t. 1770.)—*C. albida*, Moq. l. c. cum syn.; Wight, Ic. t. 1769. *C. dichotoma*, Moq. l. c. cum syn.; Wight, Ic. t. 1771. *C. esculenta*, Moq. l. c. cum syn. An *C. aspera*, Wight, Ic. t. 1772?—C.P. 2244, 2726, 3154.

HAB. Very common in the warmer parts of the island.

After examining a large series of specimens, I have found it quite impossible to arrive at any other conclusion but that the several plants I have enumerated are mere forms of one very variable species. The shape of the leaves and amount of pubescence are most inconstant characters, the seed varies in being more or less minutely punctate; and the whole plant is thin and flaccid, or of tolerably firm consistence.

3. AMARANTUS, Tourn.

(Nom. vulg. "Tampala")

1. **A. oleraceus**, Roxb. Fl. Ind. iii. p. 605; Wight, Ic. t. 715 (vix *Euxolus oleraceus*, Moquin in DC. Prod. xiii.-ii. p. 273.)—*A. Gangesicus*, Linn.; Moq. l. c. p. 261, cum syn. *A. lanceolatus*, Roxb. l. c. p. 607.—An *A. melancholicus*, Linn.; Moq. l. c. p. 262, cum syn.?—C.P. 3629.

HAB. Very common in native gardens, but hardly indigenous.

2. **A. polygamus**, Linn. (Roxb. Fl. Ind. iii. p. 603; Wight, Ic. t. 714.)—*Euxolus polygamus*, Moq. l. c. p. 272.—An *A. tristis*, Linn.; Moq. l. c. p. 260, cum syn.; Wight, Ic. t. 514, 713?—C.P. 3642.

HAB. Common in cultivated ground.

The smaller size and procumbent habit of *A. polygamus* appear to me to be the principal points of distinction between it and *A. oleraceus*, to which it is extremely closely allied, if it be not indeed a form of it. In my specimens the *utriculi*, when perfectly ripe, have the circumscissal dehiscence of *Amarantus*.

3. **A. spinosus**, Linn. (Moq. l. c. p. 260, cum syn.; Wight, Ic. t. 513.—C.P. 2910.

HAB. Very abundant in waste places.

A PRUMENTACEUS, Ham. (an *A. crenatus*, Linn. ?), *A. hypochondriacus*, Linn., and *A. caudatus*, Linn., occur as cultivated plants. All the species of *Amarantus* and *Euxolus* are used as vegetables by the Cinghalese.

4. **EUXOLUS**, Rafin.

(Nom. vulg. "Kooratampala")

1. **E. caudatus**, Moquin in DC. Prod. xiii.-ii. p. 274, cum syn.; Wight, Ic. t. 1773.—c p. 2911.

HAB. Very abundant on waste ground.

2. **E. polygonoides**.—*Amblogyne polygonoides*, Rafin.; Moq. l. c. p. 270, cum syn. *Amarantus polygonoides*, L.; Willd.; Wight, Ic. t. 512.—c.p. 3643.

HAB. Very common in cultivated ground, etc.

This, as suspected by Moquin, does not differ generically from *Euxolus*. It is very closely allied indeed to *E. caudatus*, Moq., and might perhaps be safely considered a variety of it.

5. **PSILOTRICHUM**, Blume

1. **P. scleranthum**, Thw.; suffruticosum; ramulis teretibus, tomentellis; foliis ovato-lanceolatis, acutis, basi in petiolum brevem angustatis, pilosulis; spicis terminalibus, parum ramosis, obtusis, floribus densis; bracteolis late ovatis, mucronatis, 2 interioribus glabris, exteriori minore, pubescente; sepalis subaequalibus, rigidis, lanceolatis, acutis, obscure 5-nerviis, externe pilosis, quam bracteolæ duplo longioribus.—c p. 2239.

HAB. Anooradhapoor, Gardner

Folia $\frac{3}{4}$ -1 $\frac{1}{2}$ poll longa, 4-7 lin lata Flores 2 lin. longi, albi

At first sight this might be taken for a small form of *Banania thyrsoiflora*, Moq., but its simple stigma brings it within the present genus

6. **PTILOTUS**, R. Br.

1. **P. ovatus**, Moquin in DC. Prod. xiii.-ii. p. 281, cum syn.—c.p. 2235.

HAB. Hot, drier parts of the island.

7. **ÆRVA**, Forsk.

1. **Æ. Javanica**, Juss. (Moquin in DC. Prod. xiii.-ii. p. 299, cum syn.; Wight, Ic. t. 876)—c.p. 2255.

HAB. North of the island, Gardner.

2. **Æ. lanata**, Juss. (Moq. l. c. p. 303, cum syn.; Wight, Ic. t. 723.)—c p. 2253.

HAB. Very abundant on waste ground. Noni. vulg. "Pol-hoonoo-pala."

3. **Æ. Monsonia**, Moq. l. c. p. 305, cum syn.; Wight, Ic. t. 725.—*Æ. setacea*, Moq. l. c.

HAB. North of the island, Dyke, (*Herb. Hook.*)

8. **NOTHOSÆRVA**, Wight, Ic. vi. p. 1.

Pseudanthus, Wight, Ic. t. 1776 (non Lach).

1. **N. brachiata**, Wight. l. c.—*Ærva brachiata*, Mart. Beitr. Amant. p. 83; Moquin, l. c. (partim).—c.p. 2254.

HAB. Common in the hot, drier parts of the island.

9 ACHYRANTHES, Linn.

1. **A. bidentata**, Blume, (Moquin in DC Prod. xiii -ii. p. 312, cum syn.; Wight, Ic. t. 1779.)—c.p. 2236.

HAB. Very abundant on waste ground.

2. **A. aspera**, Linn. (Moq. l. c. p. 314, cum syn.; Wight, Ic. t. 1777.)—c.p. 2243.

HAB. Equally abundant with the preceding, and in similar places. Nom. vulg. "Gas-karral-habba."

This plant is employed medicinally in cases of dysentery

3. **A. argentea**, Linn. (Moq. l. c. p. 315, cum syn.)—*A. porphyrostachya*, Wall., Moq. l. c. p. 316. *A. rubro-fusca*, Wight, Ic. t. 1778. An *A. asperæ* var.?—c.p. 2909.

HAB. Cultura, Moon

I am quite disposed to think, with Dr Hooker, that this is probably merely a variety of *A. aspera*

10. CENTROSTACHYS, Wall.

1. **C. diandra**, Wall. (Moq. in DC Prod. xiii.-ii. p. 322, cum syn.; Wight, Ic. t. 722.)—c.p. 2241

HAB. Very common in the warmer parts of the island.

11. DIGERA, Forsk.

1. **D. arvensis**, Forsk. (Moq. in DC. Prod. xiii.-ii. p. 324, cum syn.)—*Desmochate muricata*, Wight, Ic. t. 732 —c.p. 2912

HAB. North of the island, Moon

12 CYATHULA, Lour

1. **C. prostata**, Blume, (Moquin in DC Prod. xiii.-ii. p. 326, cum syn.; Wight, Ic. t. 733.)—c.p. 2242.

HAB. Very abundant. Nom. vulg. "Bin-karral-habba."

Employed as a medicine by the Cinghalese in cases of dysentery

2. **C. capitata**, Moquin, l. c. p. 329, Wight, Ic. t. 1782.—c.p. 3112.

HAB. Ooma Oya, near Kandy.

In my specimens the *stammodia* are much wider and more copiously limbrated than they are represented in Dr Wight's figure

13. PUPALIA, Juss.

1. **P. atropurpurea**, Moquin in DC. Prod. xiii.-ii. p. 331, cum syn.—*Desmochate atropurpurea*, DC, Wight, Ic. t. 731.—c.p. 2237.

HAB. Common in the hot, drier parts of the island.

2. **P. orbiculata**, Wight, Ic. t. 1783.—*Cyathula orbiculata*, Moquin, l. c. p. 330, cum syn.—c.p. 2234.

HAB. Hotter parts of the island; not uncommon.

14. **ALTERNANTHERA**, Mart.

1. ***A. sessilis***, R. Br. (Moq. in DC. Prod. xiii.-ii. p. 357, cum syn.; Wight, Ic. t. 727.)—*A. nodiflora*, R. Br.; Moq. l. c. p. 356. *A. denticulata*, R. Br.; Moq. l. c. cum syn.—c.p. 2908.

HAB. Very abundant throughout the island. Nom. vulg. "Mokoo-noo-wanna."

CXXVI. PHYTOLACCACEÆ.

1. **GIESECKIA**, Linn.

1. ***G. pharnaceoides***, Linn. (Moq. in DC. Prod. xiii.-ii. p. 27, cum syn.; Wight, Ic. t. 1167.)—c.p. 1093.

HAB. Warmer parts of the island.

Phytolacca octandra, Moq., occurs occasionally as an escape from gardens; and *Rivina lavis*, Linn., is become naturalized in some places.

CXXVII. PROTEACEÆ.

1. **HELICIA**, Lour.

1. ***H. Ceylanica***, Gardner in Calcutta Journ. of Nat. Hist. vol. vii. p. 453; Meisner in DC. Prod. xiv. p. 438.—c.p. 690

HAB. Central Province, at an elevation of 2000 to 4000 feet; not very common.

Arbor medioeris. *Pedunculi pedicellique* purpurei. *Flores* pallide flavi. *Fructus* ovoides, utrinque parum acuminati, nucis avellane magnitudine, atro-purpurei.

I have examined a great many flowers of this species, and have found the ovary biovulate in all, in this respect agreeing with the other species of the genus. The loculus has at its upper part two shining slight prominences, which were probably mistaken by Dr. Gardner for another pair of ovules.

CXXVIII. THYMELACEÆ.

1. **WIKSTROMIA**, Endl.

1. ***W. virgata***, Meisner in DC. Prod. xiv. p. 547, cum syn.—*W. canescens*, Meisner, l. c. cum syn. *W. inamæna*, Meisn. l. c. *W. salicifolia*, Dene; Meisn. l. c. p. 546. *Daphne inamæna*, Gardn. in Calc. Journ. of Nat. Hist. vol. vii. p. 454.—c.p. 2206.

HAB. Central Province, at an elevation of 6000 to 8000 feet.

2. **LASIOSIPHON**, Fresen.

1. ***L. eriocephalus***, Dene. (Meisn. in DC. Prod. xiv. p. 597, cum syn.)—*L. speciosus*, Dene.; Meisn. l. c. p. 598. *Gnidia eriocephala*, Wight, Ic. t. 1859. *Gnidia (Dingia) eriocephala*, Gardner in Calcutta Journ. of Nat. Hist. vol. vii. p. 456—c.p. 469.

Var. *β. Zeylanicus*, Meisn. l. c. ; *Gnidia (Dingia) insularis*, Gardner, l. c.—c.p. 2913.

HAB. Drier parts of the island, up to an elevation of 4000 feet. Nom. vulg. "Naha-gass."

The two varieties of this species merge insensibly into one another. The bark is used for poisoning fish, a very excellent fibre is also obtained from it.

3. GYRINOPS, Gærtn.

1. *G. Walla*, Gærtn. (Meisn. in DC. Prod. xiv. p. 602, cum syn. ; Wight, Ic. t. 1850)—c.p. 1828.

HAB. Common in the warmer parts of the island. Nom. vulg. "Walla-gass."

The bark of this plant yields a very strong fibre

4 DRYMISPERMUM, Reinw.

1. *D. cauliflorum*, Thw. ; arborea, glabra ; *foliis* nitidis, oblongo-lanceolatis, longiusculo acuminatis, basi acutis, brevi-petiolatis ; *capitulis* caulinis, brevissime pedunculatis ; *calyce* glabro, *lobis* ab marginem villosulis ; *staminibus* biserialibus ; *filamentis* subæqualibus.—c.p. 3459.

HAB. Hewessee, in the Pasdoon Corle, on the banks of a stream.

Arbor parva, elegans, *ramis* elongatis, subpendulis. *Folia* 6-9 poll longa, 1½-3½ poll. lata. *Bracteolæ* ovatae, acutæ, circiter 3 lin longæ. *Flores* albidæ, 8 lin. longi, *lobis calycinis* rotundatis, obtusis. *Fructus* ovoides, parum acuminati, nucis avellaneæ magnitudine, carnosî, sanguinei.

5. CANSJERA, Juss.

1. *C. Rheedeii*, Gmel. (Meisn. in DC. Prod. xiv. p. 519, cum syn. ; Wight, Ic. t. 1861.)—c.p. 189.

HAB. Very common in the warmer parts of the island.

CXXIX. SANTALACEÆ.

1. PYRULARIA, Mich.

1. *P. Wallichiana*, A. DC. Prod. xiv. p. 629, cum syn.—*P. Ceylanica*, A. DC. l. c. *Sphærocarya Wallichiana*, Wight, Ic. t. 241.—c.p. 2555.

HAB. Central Province, at an elevation of 4000 to 6000 feet.

Partes juniores, cum inflorescentia, rubræ

2. OSYRIS, Linn.

2. *O. arborea*, Wall. (A. DC. Prod. xiv. p. 633)—*O. Wightiana*, Wall. ; A. DC. l. c. ; Wight, Ic. t. 1853.—c.p. 53 (206, 502.)

HAB. Oova, in the Central Province, at an elevation of 5000 to 6000 feet ; abundant.

CXXX. ELÆAGNACEÆ.

1 ELÆAGNUS, Linn.

1. *E. latifolia*, Linn. (Schlecht. in DC. Prod. xiv. p. 610, cum syn ; Wight, Ic. t. 1856) — *E. conferta*, Roxb. Fl. Ind ; Schl. l. c. p. 612. *E. arborea*, Roxb l c ; Schl. l c p. 611. *E. ferruginea*, Ach. Rich. ; Schl. l. c. p. 610. *E. Wallichiana*, Schl. l. c. p. 612. *E. parvifolia*, Roxb ; Schl. l. c. *E. Theautesu*, Schl l c p. 611. *E. Kologa*, Schl. l. c. — *Folius* subtus argenteo-leprosis, squamis ferrugineis nullis vel paucissimis intermixtis. — c. p. 2263. *Folius* firmioribus, sæpius majoribus, subtus squamis argenteis ferrugineisque intermixtis leprosis ; *floribus* parum brevioribus. — c. p. 2264, 83. *Folius* firmis, sæpius basi rotundatis, subtus ferrugineo-leprosis. — c. p. 2724.

HAB. Very common up to an elevation of 5000 feet

I believe we have but one species of this genus indigenous to Ceylon, but it is an extremely variable plant. When occurring in the hotter parts of the island the leaves are more meculanaceous, and have then leprous scales nearly all white, higher up, on the hills, the leaves are usually larger and finer, and there is a greater intermixture of ferruginous scales, and sometimes the scales are all ferruginous.

CXXXI. DATISCACEÆ.

1. TETRAMELES, R. Br.

1. *T. nudiflora*, R. Br. in Pl. Jav. Rar. p. 19. t. 17. — *S. Horsfieldii*, Steud. Nomencl. p. 171 — c. p. 3113.

HAB. Ambaganiowa District, at no great elevation ; not common.

CXXXII. LAURACEÆ.

1 CINNAMOMUM, Burm

1. *C. Zeylanicum*, Breyn (N. ab E. System. Laurin. p. 45, cum syn. ; Wight, Ic. tt. 128, 129, 131) — *C. Cappare*, Coronde ; Blume, N. ab E. l. c. p. 665, cum syn. — c. p. 2283, 2284.

Var. β . *multiflorum* — *C. multiflorum*, Wight, Ic. tt. 126, 131. *C. dubium*, N. ab E. l. c. p. 41. Wight, t. 135. *C. perpetuo-florens*, Wight, Ic. t. 141. *C. villosum*, Wight, Ic. t. 127. — c. p. 37, 2282.

Var. γ . *oralifolium* — *C. oralifolium*, Wight, Ic. t. 125. — c. p. 263, (317, 628.)

HAB. Pretty generally distributed in forests up to an elevation of 3000 feet. Var. β . Common in the Central Province, up to 3000 feet. Var. γ . At an elevation of 4000 to 8000 feet.

Without the opportunity, which I have had, of seeing numerous examples of this very variable tree, I should scarcely have ventured to unite the above-enumerated varieties under one specific name, so unlike one another are the extreme forms of each, but in a large series of specimens it is frequently difficult, or even impossible, to determine to which variety to refer some of them, so intermediate are they in character.

The best cinnamon of commerce is the produce of what I consider a cultivated or selected form of var. α , and the trees of this form have usually large leaves of some-

what irregular shape, but the bark of all the forms of this species possesses the odour of cinnamon in a greater or less degree, and it is not always possible to judge of the quality of the bark from the foliage, for I have observed the cinnamon-peelers, when collecting bark from uncultivated trees, taste a small portion before commencing their operations, and pass over some trees as unfit for their purpose. The bark of varr β and γ is of very inferior quality, and I have been informed is never collected, except for the purpose of adulteration.

A fragrant oil, sold under the name of "Clove Oil," is obtained by distillation from the leaves of the cultivated Cinnamon-tree, and the roots yield, under a similar process, a certain quantity of camphor. The ripe seeds contain some amount of stearine, but I cannot learn that it is now extracted for any purposes.

I strongly suspect that *C. obtusifolium*, N ab E l c p 33, cum syn., Wight, Ic t 139, *C. Bazanua*, N ab E l c p 36, cum syn., *C. Malabathrum*, Batka, N ab E l c p 38, cum syn., *C. racis*, Wight, Ic. tt 122, 122 bis, 230 and *C. nitidum*, N ab E l c p 43, cum syn. Wight, Ic t 124, will prove to be mere forms of the present species.

2. *C. citriodorum*, Thw.; *folius* glabris, nitidis, coriaceis, ovatis vel oblongis, plus minus obtuse acumatis, pennivenis vel rarius ad basin breviter 3-nerviis, venis inconspicuis; *paniculis* multifloris, elongatis, subterminalibus, incano-pilosulis, *lobis perianthii* ad basin deciduis — c.p. 393

HAB. Saflagam District and near Galagama, at an elevation of 1000 to 2000 feet. Nom. vulg. "Pangaroo-kooroondoo-gass."

Arbor 20-30-pedalis, dense ramosa, compacta. *Ramuli* juniores pilosuli. *Folia* $1\frac{1}{2}$ -3 poll longa, $\frac{1}{2}$ - $1\frac{1}{2}$ poll lata, *petiolo* semipollicari. *Pedicelli* floribus breviores. *Fructus* oblongus, basi perianthii truncata cyathatorum suffidus.

Well distinguished from every form of the preceding species by the venation of its leaves and by the truncated cup of the fruit. The bark of this species has much of the odour of citronella oil, intermixed with something of the fragrance of common cinnamon.

3. *C. litsæefolium*, Thw.; *folius* glabris, coriaceis, ovato-lanceolatis, obtusiusculis, triplinerviis (nerviis lateralibus infra medium folii evanescentibus), subtus pallidioribus, *paniculis* elongatis, apertis, multifloris, subterminalibus, incano-pilosulis; *lobis perianthii* ad basin deciduis — c.p. 392

HAB. Hapootelle, in the Central Province, at an elevation of 5000 feet. Nom. vulg. "Koodloo-kooroondoo-gass."

Arbor 50-60-pedalis, versus apicem ramosum. *Ramuli* juniores pilosuli. *Folia* $2\frac{1}{2}$ -6 poll longa, 1- $2\frac{1}{2}$ poll lata, *petiolo* $\frac{1}{2}$ - $\frac{3}{4}$ poll longo. *Pedicelli* floribus longiores.

Nearly allied to the preceding, but the larger size and different shape and venation of the leaves sufficiently distinguish it. The bark of this species is quite odorous.

2 APOLLONIAS, N ab E

1. *A. Zeylanica*, Thw.; arborea, glabra; *folius* oppositis, oblongis vel oblongo-lanceolatis, parum obtuse acumatis, vix reticulatis, basi angustatis, petiolatis; *paniculis* multifloris; *perianthio* deciduo. — c.p. 2485.

HAB. Central Province, at an elevation of 3000 to 4000 feet.

Arbor 50-60-pedalis. *Folia* 4-8 poll longa, $1\frac{1}{2}$ -3 poll lata, *petiolo* 4-8 lin. longo. *Flores* 1 lin. longi, pallide virides. *Fructus* cylindrico-oblongus, 8 lin. longus, 3 lin. latus, pedicello incrassato, truncato, 1-2 lin. longo.

This agrees so well in most respects with the other described species of *Apollonias*,

that the deciduous perianth of the present can scarcely be considered more than a specific character. It is evidently very closely allied to *Haasia Wightii*, Nees.

3. MACHILUS, Rumph. ; Nees.

1. **M. macrantha**, N. ab E. Syst. Laur. p. 174, cum syn. ; Wight, Ic. t. 1824.—*M. glaucescens*, Wight, Ic. t. 1825.—c.p. 2270, (2271.)

HAB. Central and South-western Provinces, at an elevation of 1500 to 4000 feet. Nom. vulg. "Oolooloo-gass."

The timber of this large tree is useful for building purposes

4. ALSEODAPHNE, N. ab E

1. **A. semicarpifolia**, N. ab E. Syst. Laur. p. 182, cum syn. , Wight, Ic. tt. 1826, 1827.—c.p. 2269.

HAB. Hot, drier parts of the island ; not uncommon.

Fructus oblongus, 8 lin longus, 5 lin latus, *pedicello* incrassato, tuberculato, 6-10 lin. longo

A very variable plant as regards the size and shape of the leaves

5. CRYPTOCARYA, R. Br.

1. **C. Wightiana**, Thw.—*C. floribunda*, Wight, Ic. t. 1829, (non N. ab E. fid. Hook. f.)—c.p. 414, (2392)

HAB. Common up to an elevation of 5000 feet. Nom. vulg. "Goloo-mora-gass."

Folia subtus ferrugineo-puberula. *Fructus* subsphaericus, nitidus, niger, semipollicaris

A large tree, useful for building purposes.

2. **C. membranacea**, Thw. ; *foliis* oblongis vel rarius ovato-oblongis, abrupte acuminatis, subglabris, membranaceis, utrinque minute prominentim reticulatis, basi acutis et parum obliquis ; *paniculis* brevibus, paucifloris, ferrugineo-tomentellis ; *fructibus* oblongo-ovoides, ecostatis.—c.p. 2701.

HAB. Saffragam District, up to an elevation of 2000 feet.

Arbor mediocris. *Folia* 2½-7 poll. longa, 1-2½ poll. lata, *petiolo* 3-4 lin longo. *Fructus* atro-purpureus, circiter 7 lin longus

This would seem, judging from Nees von Esenbeck's description of his *C. amygdalina*, in Syst. Laur p 208, to be closely allied to that species, and to differ from it principally in having much smaller panicles of flowers

6. TETRANTHERA, N. ab E.

(Cum *Lepidadenia*, N. ab E.)

1. **T. tomentosa**, Roxb. (N. ab E. Syst. Laur. p. 511, cum syn. ; Wight, Ic. t. 1834.)—c.p. 2275.

HAB. Central Province, up to an elevation of 4000 feet ; common. Nom. vulg. "Kos-badda-gass."

2. **T. ligustrina**, N. ab E. l. c. p. 513, cum syn. ; Wight, Ic. t. 1835.—c.p. 2273.

HAB. Central Province, *Macrae*.

3. **T. Roxburghii**, N. ab E. l. c. p. 515, cum syn.—c.p. 2276.

HAB. Very common up to an elevation of 3000 feet. Nom. vulg. "Bo-mee-gass."

4. **T. nemoralis**, Thw.; *caule* erecto, simplici vel parce ramoso, terete, fusco-ferrugineo-velutino; *foliis* majusculis, lanceolatis, basi apice-que acutis, utrinque (junioribus) fusco-ferrugineo-villosis, denique superne subglabris, subtus reticulatis; *umbellulis* parvis, axillaribus caulinisque, fasciculatis, glabris vel sparsissime pilosis.—c.p. 2921.

HAB. Galle District, under the shade of large trees in forests.

10-12-pedalis *Folia* 1-2-pedalia, $2\frac{1}{2}$ -4 poll longa, *petiolo* $\frac{1}{2}$ -2 $\frac{1}{2}$ poll. longo. *Pedunculi* 1-2 lin. longi. *Umbellulae* parvae, 5-florae *Perianthium* 6-partitum, lobis deciduis. *Fructus* subsphaericis, apiculatis, 4 lin. in diam, *pedicello* circiter 1 lin longo.

5. **T. longifolia**, N. ab E. l. c. p. 528, et var. β .—c.p. 223, 79, (230, 417, 587.)

Var. γ ; *foliis* glabris vel subglabris —c.p. 2274.

HAB. Common in the Central Province, at an elevation of 4000 to 7000 feet.

Arbor parva, parce ramosa. *Fructus* sphaericus, 3-4 lin. in diam

6. **T. glaberrima**, Thw.; *foliis* ovatis vel ovato-lanceolatis, parum abrupte acummatiss, minute reticulatis, basi acutis, subtus glaucis. *venis* *primariis* paucis, multum arcuatis, *umbellulis* parvis, axillaribus, fasciculatis, 4-floris; *perianthio* 6-partito, lobis deciduis; *fructibus* oblongis.—c.p. 2606.

HAB. Allagalla, in the Central Province, at an elevation of 4000 feet.

Arbor parva *Folia* 2-7 poll. longa, 1-3 poll lata, *petiolo* 4-8 lin. longo. *Flores* dioici.

In general appearance closely resembling the last species, from which it is distinguished by being glabrous in every part, by its wider leaves with more arcuate primary veins, and its differently shaped fruit.

7. **T. Gardneri**, Thw.; arborea; *foliis* majusculis, trapezoidico-vel obovato-oblongis, obtusis, coriaceis, superne glabris, subtus albido-tomentellis, basi acutis, *inflorescentia* axillari, racemoides, quam folium multo brevior, albido-tomentella; *fructibus* subsphaericis.—c.p. 40.

HAB. Central Province, at an elevation of 4000 to 6000 feet.

Arbor 40-50-pedalis *Folia* 4-12 poll longa, 2-6 poll lata, *venis* *primariis* parum arcuatis, superne depressis, subtus valde prominentibus, *petiolo* $\frac{1}{2}$ -1 $\frac{1}{2}$ poll. longo. *Pedunculi* communis 1-3 poll longi, *partiales* 2-5 lin. longi *Umbellulae* 5-florae. *Flores* dioici, *perianthio* 6- rarius 4-partito, externe sericeo, interne glabro, lobis deciduis. *Stamina* sepiissime 9, 3 interiora biglandulosa *Fructus* 4-5 lin. in diam

This would seem to bear very considerable resemblance to *Lepidadenia Wightiana*, N. ab E., but the more numerous veined and oblique leaves of the latter, together with its hermaphrodite flowers and more numerous stamens, would appear sufficiently to distinguish it. In some of the male flowers, however, of the present plant there are, in addition to the nine fertile stamens, two or three central biglandular abortive ones, and thus is exhibited a character intermediate between that of *Tetranthera* and that of *Lepidadenia*, and justifying the suppression of the latter genus.

8. **T. iteodaphne**, N. ab E. l. c. p. 542.—c.p. 10, (351, 729, 2487.)

Var. β ; *foliis* minoribus, anguste lanceolatis, sepe valde acummatiss. —c.p. 360

Var. γ ; *foliis* ellipticis vel oblongis, parum acuminatis vel rarius apice rotundatis.—c.p. 2605.

HAB. Central Province, up to an elevation of 6000 feet.

Arbor mediocris, 20-30-pedalis. *Folia* subtus minute puberula, rarius glabra, 2-6 poll. longa, $\frac{1}{2}$ -2 poll. lata, *petiolo* 2-4 lin. longo. *Perianthium* sæpissime 4-partitum, lobis deciduis. *Stamina* sæpissime 8, 4 interiora biglandulosa. *Fructus* oblongis, ruber.

A most variable plant, the extreme forms of which are so very dissimilar in appearance, that they might well be taken for distinct species, but they so merge one into the other that it is impossible to consider them other than varieties. Var. γ approaches very closely some forms of the next species.

9 **T. ovalifolia**. —*Lepidadenia ovalifolia*, Wight, Ic. t. 1839.—c.p. 167. (321. 2188, 2189, 2190.)

HAB. Central Province, at an elevation of 4000 to 7000 feet.

Arbor 30-40-pedalis, ramulis folisque junioribus atro-violaceis, fuscari-puberulis. *Folia* ovata, oblonga vel ovato-lanceolata obtusa, basi rotundata vel parum acuta, glabra, subtus pallidiora, 2-6 poll. longa, 1-3 poll. lata, *petiolo* 2-5 lin. longo. *Perianthium* 4-8-partitum, lobis deciduis. *Stamina* 8-16, biserialia, interioribus biglandulosis, sed sæpe numerosiora, valde irregularia contortaque. *Fructus* subsphæricus.

7 ACTINODAPHNE, N. ab E.

1 **A. glauca**, N. ab E. Syst. Laur. p. 599.—c.p. 3518, ? 2536.

HAB. lagalla, at an elevation of 7000 to 8000 feet.

Arbor 20-30-pedalis. *Flores* fæm. fasciculati, $1\frac{1}{2}$ lin. longæ, externe cum pedicellis 2 lin. longis ferrugineo-pilosis. *Stamina* sterilia spatulata, acuta, glabra. *Fructus* subsphæricus, basi perianthio aucto parum crenulato suffultus.

2 **A. stenophylla**, Thw.; arborea; *partibus junioribus inflorescentiaque* ferrugineo-tomentosis; *foliis* ad apicem ramuli subverticillatis, 5-7-nis, linearis-lanceolatis, obtusis, minutissime reticulatis, penninervis, denique glabris, subtus albo-pruinosis, basi parum angustatis; *fasciculis* 4-8-floris, secus ramulum infra folia sparsis; *floribus* dioicis; *pedicellis* subæquilongis; *perianthio* lobis 6, deciduis; *fructibus* sphæricis.—c.p. 303, 2491.

HAB. Abundant in the Oovah and Badulla Districts, up to an elevation of 3000 feet.

Arbor 20-30-pedalis. *Folia* 2-6 poll. longa 3-10 lin. lata, *petiolo* 2-5 lin. longo. *Flores* $1\frac{1}{2}$ lin. longæ. *Fructus* 3 lin. in diam.

3. **A. Moonii**, Thw.; arborea; *partibus junioribus inflorescentiaque* ferrugineo-tomentosis; *foliis* ad apicem ramuli subverticillatis, 4-5-nis, lanceolatis vel ovato-lanceolatis, acuminatis, obtusiusculis, penninervis, superne minute reticulatis, subtus albo-pruinosis pilosis denique glabris, basi rotundatis vel parum angustatis; *floribus* fasciculatis, dioicis, brevissime pedicellatis, axillaribus et infra folia secus ramulum sparsis; *fructibus* sphæricis, perianthio 6-lobo vix aucto suffultis.—c.p. 74.

HAB. Central Province, at an elevation of 5000 to 7000 feet.

Arbor 20-pedalis. *Ramuli* teretes, tomentosi. *Folia* $1\frac{1}{2}$ -4 poll. longa, $\frac{1}{2}$ -1 $\frac{1}{2}$ poll. lata, *petiolo* $1\frac{1}{2}$ -3 lin. longo. *Flores* $1\frac{1}{2}$ lin. longæ. *Fructus* 3 lin. in diam.

Nearly allied to *A. molochina*, N. ab E., but its penninerved acuminate leaves sufficiently distinguish it.

4. **A. elegans**, Thw.; arborea; *partibus junioribus inflorescentiaque* ferrugineo-tomentosis; *foliis* ad apicem ramuli 3-4-nis, lanceolatis, sæpe

longiuscule acuminatis, superne minute reticulatis, subtus albo-pruinosis, denique nudis, basi parum acutis; floribus dioicis, brevi-pedicellatis, fasciculatis, axillaribus et infra folia secus ramulum sparsis; lobis perianthii 6, deciduis; fructibus sphaericis.—c.p. 2277.

HAB. Central Province and in the Pasdoon Corle, up to an elevation of 3000 feet.

Arbor parva Folia $1\frac{1}{2}$ –4 poll longa, $\frac{1}{2}$ –1 poll lata, *petiolo* tenui, 3–5 lin. longo *Flores* $1\frac{1}{2}$ lin. longi. *Fructus* 4 lin in diam

Differing from the last species, which it greatly resembles, in its narrower and more membranaceous leaves, with longer slenderer petioles, and its larger fruit, with truncated not lobed cup

5. **A. speciosa**, N. ab E. l. c. p. 602, Wight, Ic. t. 1842.—c.p. 674.

Var. β ; *foliis* minus coriaceis, parvis hirsutis, ovato-vel oblongo-lanceolatis, acuminatis, basi acutis.—c.p. 3371.

HAB. Central Province, up to an elevation of 8000 feet. Var. β . At about 4000 feet.

Arbor 30–40-pedalis *Fructus* sub-sphaericus, perianthii basi truncata aucta ore contracta suffultus.

6. **A. molochina**, N. ab E. l. c. p. 603; Wight, Ic. t. 1843.—c.p. 2272, v. 2373.

HAB. Pedrotalagalla, at an elevation of 6000 to 8000 feet.

Arbor parva Fructus sphaericus, parum oblongus, 3–3 $\frac{1}{2}$ lin in diam., perianthio 6-lobo vix aucto suffultus

8. DAPHNIDIUM, N. ab E.

1. **D. lancifolium**, Thw.; arboreum; *partibus junioribus inflorescentiaque* fulvo-sericeis; *foliis* ad apicem ramuli plus minus confertis, 5–7-nis, lanceolatis, gradatim acute acuminatis, superne levibus vel minutissime rugulosis, subtus albo-pruinosis, basi acutis, triplinerviis, nervis lateralibus vix ad medium folii attingentibus, *gemmis* 3–4-floris, 4-squamosis, infra folia secus ramulum sessilibus.—c.p. 356.

HAB. Hapootelle District, in the Central Province

Folia 2–3 $\frac{1}{2}$ poll. longa, 6–10 lin lata, *petiolo* 3–5 lin longo. *Flores* subsessiles, $1\frac{1}{2}$ lin longi.

Apparently nearly allied to *D. melastomaceum*, N. ab E. l. c. p. 607. I have but a single specimen of the present plant, found mixed with some specimens of *Actinodaphne stenophylla*, a species it at first sight greatly resembles

9. LITSÆA, Juss.

1. **L. Zeylanica**, N. ab E. Syst. Laur. p. 626, cum syn.; Wight, Ic. tt. 132, 1844. An *C. oblonga*, N. ab E. l. c. p. 672; Wight, Ic. t. 1845?—c.p. 2281, 3449 (413 partim).

Var. β ; *foliis* firmioribus, glaberrimis, ellipticis vel oblongis, parum acuminatis vel valde obtusis; *staminibus* plus minus pilosis. An *L. foliosa*, N. ab E. l. c. p. 622?—c.p. 2278, 2280, 72.

HAB. Very abundant up to an elevation of 4000 feet. Var. β . Up to 6000 feet. Nom. vulg. “Dawal-kooroondoo-gass.”

Plants of this species vary respectively very considerably as regards the size, shape, and texture of the leaves, but the character of the venation is very similar in all. The silky pubescence upon the young ramuli and leaves is in some persistent for a

considerable period, whilst in others it is exceedingly fugacious. The pruinose whiteness of the under surface of the leaves disappears sooner or later in different plants.

2. *L. orbicularis*, Thw. ; *ramulis junioribus* fusco-tomentellis ; *foliis* orbicularibus vel late obovatis, ad apicem ramuli confertis, 5-6-nis, triplinerviis, glabris, subtus albido-pruinosis ; *petiolo costaque* subtus ad basin tomentellis ; *gemmis florigeris* secus ramulum sessilibus, 4-floris ; *squamis* rotundatis, externis glabris ciliatis, internis ferrugineo-pilosis.—C.P. 2699.

HAB. Ambagamowa District, at an elevation of 4000 feet.

Folia $\frac{3}{4}$ -1 $\frac{1}{2}$ poll in diam., *petiolo* 2-3 $\frac{1}{2}$ lin. longo

3. *L. fuscata*, Thw. ; arborea ; *ramulis, petiolis, foliis subtus inflorescentiaque* ferrugineo-tomentosis ; *foliis* versus apicem ramuli alternis, ovatis vel ellipticis, utrinque parum subabrupte angustatis, triplinerviis ; *nervis lateralibus* ad medium folii vel ultra attingentibus, externe venosis.—C.P. 413.

HAB. Central Province, at an elevation of 6000 to 8000 feet.

Arbor 20-pedalis. *Folia* 2-4 poll. longa, $\frac{3}{4}$ -2 poll. lata, superne glabra, *petiolo* 5-9 lin. longo. *Gemmæ florigeræ* glomeratæ, axillares et infra folia et secus ramulum dispositæ. *Flores* 1 $\frac{1}{2}$ lin. longæ, cum pedicellis subæquilongis, pallide fulvo-pilosi, *lobis perianthi* deciduis. *Fructus* subsphæricus, semipollicaris, pedicello 7-8 lin. longo

10. CASSYTHA, Linn.

1. *C. filiformis*, Linn. (N. ab E. Syst. Laur. p. 642, cum syn. ; Wight, Ic. t. 1847)—C.P. 1923.

HAB. Not uncommon in the hotter parts of the island, especially near the sea.

Lauraceis affines.

1. HERNANDIA, Plum., Blume, Endl.

1. *H. sonora*, Linn. (Willd. Sp. Pl. Linn. iv. p. 327, cum syn. ; Wight, Ic. t. 1855.)—C.P. 2914.

HAB. Not very uncommon near the seashore in the neighbourhood of Galle and Matura.

2. GYROCARPUS, Jacq., Endl.

1. *G. Asiaticus*, Willd. (N. ab E. Syst. Laur. p. 701, cum syn.)—*G. Jacquini*, Roxb. Pl. Corom. i. t. 1.—C.P. 2202.

HAB. Hot, drier parts of the island ; not uncommon.

CXXXIII. URTICACEÆ.

TRIB. URTICEÆ.

1. FLEURYA, Gaud.

1. *F. interrupta*, Gaud. (Weddell, Arch. du Mus. ix. p. 115 ; cum

syn. ; Wight, Ic. tt. 1975, 692.)—*Bæhmeria interrupta*, Willd. Sp. Pl. iv. p. 342, cum syn.—c.p. 2186.

HAB. Common in the warmer parts of the island. Nom. vulg. "Wal-kahambillya."

2. LAPORTEA, Gaudich.

1. *L. terminalis*, Wight, Ic. t. 1972 ; Weddell, Arch. du Mus. ix. p. 125, cum syn.—c.p. 3336.

HAB. Central Province, at an elevation of 4000 to 6000 feet.

2. *L. crenulata*, Gaud. (Wedd. l. c. p. 113, cum syn. ; Miquel, Fl. Ind. Bat. vol. 1. pars altera, p. 230.)—*Urtica crenulata*, Roxb. ; Wight, Ic. t. 686.—c.p. 2200.

HAB. Very common up to an elevation of 5000 feet, in damp forests. Nom. vulg. "Maoossa-gass."

3. GERARDINIA, Gaudich.

1. *G. Leschenaultiana*, Dene. (Wedd. Arch. du Mus. ix. p. 165, cum syn. ; Wight, Ic. t. 1976)—c.p. 3520.

HAB. Central Province, at an elevation of 5000 to 6000 feet.

2. *G. Zeylanica*, Dene. (Wedd. l. c. p. 166, cum syn. ; Miquel, Fl. Ind. Bat. vol. i. pars altera, p. 233)—*Urtica heterophylla*, Roxb. ; Wight, Ic. t. 687.—c.p. 2193.

HAB. Not uncommon in the warmer parts of the island. Nom. vulg. "Gass-kahambillya."

4. PILEA, Lindley.

1. *P. Wightii*, Wedd. l. c. p. 205, cum syn.—*P. radicans*, Wight, Ic. t. 1974 (non Wedd.)—c.p. 2185.

HAB. Central Province, at an elevation of 5000 to 7000 feet.

2. *P. trinervia*, Wight, Ic. t. 1973 ; Wedd. l. c. p. 224, cum syn.—*P. oreophila*, Miquel, l. c. p. 235, t. 17, cum syn. *Urtica trinervia*, Roxb. Fl. Ind. iii. p. 582.—c.p. 2093.

HAB. Common in wet woods, up to an elevation of 5000 feet.

3. *P. angulata*, Blume, Mus. Lugd. Bat. ii. p. 55.—*P. stipulosa*, Miquel, l. c. p. 236 ; Wedd. l. c. p. 230, cum syn. *P. hygrophila*, Bl. l. c. ; Wedd. l. c. p. 264, cum syn.—c.p. 2184.

HAB. Central Province, common at an elevation of 3000 to 5000 feet.

A very variable plant, when growing in very damp shady places it puts on the form described under the name of *P. stipulosa*.

5. PELLIONIA, Gaudich.

1. *P. Heyneana*, Wedd. ; Arch. du Mus. ix. p. 287, cum syn.—c.p. 2179.

HAB. Hantani, in the Central Province, at an elevation of 4000 feet.

6. ELATOSTEMA, Forst.

1. *E. lineolatum*, Wight, Ic. t. 1984 ; Wedd. l. c. p. 312, a.—c.p. 456.

Var. β . *majus*.—C.P. 2183.

Var. γ . *falcigerum*.—C.P. 3427.

Var. δ . *lineare*.—C.P. 3426.

HAB. Very abundant in damp forests, up to an elevation of 5000 feet.

2. ***E. surculosum***, Wight, Ic. t. 2091, f. 4.; Wedd. l. c. p. 329, cum syn.—C.P. 2181, 2182.

HAB. Very common on the perpendicular surface of damp rocks, in forests of the central Province, up to an elevation of 6000 feet.

7. PROCRIS, Comm.

1. ***P. laevigata***, Blume, Bijdr. p. 508; Miquel, Fl. Ind. Bat. vol. i. pars altera, p. 248, cum syn.—*P. Wightiana*, Wall.; Wedd. Arch. du Mus. ix. p. 336, cum syn.—C.P. 2180.

HAB. Common in forests, on damp rocks and trees, up to an elevation of 6000 feet.

Flores masc fasciculati Fasciculi pluiflori, glabri. Pedicelli 1-1½ lin longi Perianthum 1 lin. longum, laciniis oblongis, obtusis Pistilli rudimentum minutum. Flor stem pedunculi pallidi, valde succosi

8. BEHMERIA, Jacq.

1. ***B. Malabarica***, Wedd. Arch. du Mus. ix. p. 355, cum syn.—*Urtica aquatica*, Moon's Cat. p. 62.—C.P. 2198.

HAB. Very common throughout the island. Nom. vulg. "Maha-deya-dool."

The bark of this plant is used by the Cinghalese for fishing-lines

2. ***B. platyphylla***, Don et Ham. (Wedd. l. c. p. 364, cum syn.) a.—C.P. 2952

Var. κ . *macrostachya*, Wedd. l. c.—*Splitzgerbera macrostachya*, Wight, Ic. t. 1977.—C.P. 2196.

Var. μ . *Zeylanica*, Wedd. l. c.—C.P. 2197

HAB. Common in the Central Province, up to an elevation of 6000 feet.

9. CHAMABAINIA, Wight.

1. ***C. cuspidata***, Wight, Ic. t. 1981; Wedd. l. c. p. 387, cum syn.—C.P. 2882.

HAB. Newera Ellia, Mr. W. Ferguson.

10. POUZOLZIA, Gaudich.

1. ***P. auriculata***, Wight, Ic. t. 1980, f. 2; Wedd. Arch. du Mus. ix. p. 393, cum syn.—*P. bicuspidata*, Wight, Ic. t. 2098, n. 32.—C.P. 2191.

HAB. Common in the hotter parts of the island.

P. elliptica, *P. scabra*, *P. Rheederi*, and *P. rostrata* of Wight's Icones are also quoted by M. Weddell as either forms or varieties of this species.

2. ***P. Indica***, Gaud. (Wedd. l. c. p. 398, cum syn.)—*P. procumbens*, Wight, Ic. t. 2999, n. 35.—C.P. 2188.

Var. β . *alienata*, Wedd. l. c.—*P. Zeylanica*, Wight, Ic. t. 2101, n. 45.—C.P. 2189.

HAB. Very abundant up to an elevation of 4000 feet.

An extremely variable species, and Weddell includes amongst the synonyms of the present plant, under its several varieties or forms, *P. suffruticosa*, *P. tetraptera*, *P. Johnsoniana*, *P. pyramidata*, *P. pilosa*, and *P. minor* of Wight's Icones

11. HYRTANANDRA, Miquel.

Memoralis, Ham MSS, Weddell.

1. **H. Walkeriana**, Thw.—*Memoralis aquatica*, Wedd. Arch. du Mus. ix. p. 418 (nec *Urtica aquatica*, Moon, nec *U. verrucosa*, Moon). *Pouzolzia Walkeriana*, Wight, Ic. t. 2095, n. 16. *P. glabra*, Wight, l. c. n. 15.—C P 2192, 3372.

HAB. Common on moist banks, on the margins of woods, etc., up to an elevation of 2000 feet.

2. **H. hirta**, Miq. Fl. Ind. Bat. vol. 1. pars altera, p. 261, cum syn.—*Memoralis hispida*, Ham. in Wall. Cat.; Wedd l. c. p. 426, cum syn.

Var *Gardneri*, Wedd. l. c.—*Pouzolzia Gardneri*, Wight, Ic. t. 2092, n. 5.—C.P. 2195.

Var. *Bennettiana*, Wedd. l. c.—*P. Bennettiana*, Wight, Ic. t. 1978.—C.P. 2190.

HAB. Central Province, at an elevation of 4000 to 7000 feet.

Var *Gardneri*, when growing upon dry banks, has frequently very small leaves, not exceeding 3 lines in length, when it closely resembles in appearance the following species, *H. triandra*, and I suspect may in some instances have been distributed by me in lieu of that species.

P. ovalifolia, *P. tomentosa*, *P. heterocarpa*, and *P. quadrilobata*, of Wight's Icones, are quoted by Weddell as belonging to this species.

3. **H. triandra**, Miq. l. c. p. 262, cum syn.—*Memoralis parvifolia*, Wedd. l. c. p. 432. *Pouzolzia parvifolia*, Wight, Ic. t. 2092, n. 1. *Urtica triandra*, Blume, Bijdr. p. 496.—C.P. 2187.

HAB. Newera Ellia.

12 OREOCNIDE, Miquel.

Villebrunna, Gand, Blume.

1. **O. sylvatica**, Miquel, Pl. Jungh. 1. p. 40, cum syn.; Fl. Ind. Bat. vol. i. pars altera, p. 270, cum syn.—*Villebrunna sylvatica*, Blume, Mus. Bot. Lugd. Bat. n. p. 167, t. 15; Wedd. Arch. du Mus. ix. p. 453, t. 15 c.—C.P. 2199.

HAB. Central Province, at an elevation of 2000 to 4000 feet.

13. MOROCARPUS, Sieb et Zucc

Debregeasia, Gand, Weddell

1. **M. longifolius**, Blume, l. c. p. 156; Miquel, Fl. Ind. Bat. vol. i. pars altera, p. 272, cum syn.—*Debregeasia velutina*, Gaud.; Wedd. Arch. du Mus. ix. p. 460, cum syn. *Conocephalus niveus*, Wight, Ic. t. 1959. *Urtica longifolia*, Burm. Fl. Ind. p. 197. *Urtica verrucosa*, Moon, Cat. p. 62.—C.P. 2194.

HAB. Common in the Central Province, at an elevation of 1000 to 3000 feet. Nom. vulg. "Gass-dool."

The Cinghalese make fishing lines of the bark of this plant

2. **M. Wallichianus**, Thw.—*Debregeasia Wallichiana*, Wedd. l. c. p. 464, t. 14. *Urtica leucophylla*, Wall. Cat. n. 4607.—c.p. 2201.

HAB. Hantani, in the Central Province.

Arbor 15–20-pedalis.

TRIB. ARTOCARPEÆ

14. ARTOCARPUS, Linn.

1. **A. nobilis**, Thw. (*A. pubescens*, Moon's Cat. p. 61: non Willd.); monoica; *foliis* magnis, subglabris, ovatis, brevi-acuminatis, basi obtusis, margine grosse crenatis; *venis primariis* rectis, parallelis, apice arcuatis; *lamina interposita* superne prominente et ad marginem folii parum saccata; *amentis* squamis orbicularibus stipitatis peltatis puberulis persistentibus arcte tectis; *masc.* linear-cylindricis, *fem.* oblongo-cylindricis.—c.p. 2818.

HAB. Not uncommon in the southern and central parts of the island, up to an elevation of 2000 feet. Nom. vulg. "Del-gass."

Arbor ingens, cœmia, 40–50-pedalis. *Ramuli juniores* teretes, virides, albidopunctati, strigoso-scabri, denique brunnei, rugulosi. *Folia* 6–14 poll longa, 4–10 poll lata, superne nigro-viridia, costa venisque pallidis, subtus pallida, asperula, *petiolo* cylindrico, minute strigoso, $\frac{3}{4}$ –1½ poll longo, 3 lin in diam. *Stipule* nigro-virides, externe strigosule, 3 poll longæ. *Pedunculi* 2–3½ poll longi. *Amenta masc.* 3–6 poll. longa, 5–8 lin. in diam, *fem* breviora, 10–12 lin in diam, *floribus* minutis, numerosissimis, papillatolombis, parum glandulosis. *Fructus* oblongus, parum nodulosus, papillo-sus, 6–8 poll. longus, 3½–4 poll. latus. *Semina* subsphærica, alba, semipollicaria.

Folia plantarum juniorum vel valde luxuriantium majora et pinnatifida.

This fine tree, which has, until now, been confounded with *Artocarpus pubescens* of Willdenow, is evidently quite distinct from that, and apparently from any other hitherto described species. The wood is of very good quality, but not considered of equal value with that of *Artocarpus integrifolia*. The seeds toasted are a favourite article of food with the Cinghalese.

2. **A. Lakoocha**, Roxb. Fl. Ind. iii. p. 524; Wight, Ic. t. 681; Trécul, Ann. des Sci. Nat. ser. iii. vol. iii. p. 117; Walpers, Annales, i. 660.—c.p. 2831.

Var. β ; *foliis* utrinque glabris vel subtus ad costam nervosque puberulis.—*A. Gomeziana*, Wall. MSS. Tréc. l. c. p. 118; Walp. l. c.—c.p. 2232 (2463).

HAB. Ratnapoora, Gardner. Var. β . Southern and central parts of the island, up to an elevation of 3000 feet. Nom. vulg. "Canna-gona-gass."

Fructus minute velutinus.

The seeds of this, when toasted, are eaten by the Cinghalese.

ARTOCARPUS INTEGRIFOLIA, Linn., is a common tree in native gardens or where native gardens have been, but cannot be considered truly indigenous. The timber is very valuable for cabinet and other work; and the fruit is much esteemed as an article of diet by the Cinghalese.

15. CUDRANUS, Rumphius.

Cudranus et *Maclura* (Sect. *Plecospermum*), Miquel. *Cudrania*, Trécul.

Maclura (Sect. *Leptosura*), Blume. *Trophis*, Willd., partim.

1. **C. Rumphii**, Thw.—*C. Bimanus* vel *Javanus*, *Javanensis*, et *Am-*

boinensis, Rumph. Amboin. v. p. 22, tt. 15, 16. *C. Amboinensis*, Miq. Fl. Ind. Bat. vol. i. pars altera, p. 290. *Cudrania Javanensis*, Trécul, Ann. des Sci. Nat. ser. iii. vol. viii. p. 123 (non Wight, Ic. t. 1961). *Maclura* (*Plecosperrum*) *Javanica*, Miq. l. c. p. 280. *Maclura* (*Leptosura*) *Javanica*, *Timorensis*, et *Amboinensis*, Blume, Mus. Bot. Lugd. Bat. ii. pp. 83, 84, t. 31. *Plecosperrum cuneifolium*, Thwaites, in Hook. Journ. of Bot. vi. (1854) p. 303. *Trophis spinosa*, Willd. Sp. Pl. iv. p. 734 (partim); Blume, Bijdr. p. 489 (non Roxb.); Wall. Cat. 4641 B, D. *Batis spinosa*, Wall. Cat. n. 4643 B.—C.P. 2526.

HAB. Hot drier parts of the island; not very common.

16. PLECOSPERMUM, Trécul.

1. **P. spinosum**, Tréc. (Ann. des Sci. Nat. ser. iii. vol. viii. p. 124; Wight, Ic. t. 1963.)—*Batis spinosa*, Roxb. Fl. Ind. iii. p. 763, quoad descr. *B. aurantiaca*, Wall. MSS. in Hort. Calc. *Trophis spinosa*, Heyne, Wall. Cat. 4641 A; an Willd. Sp. Pl. iv. p. 734, partim? *T. aculeata*, Roth, Sp. Nov. p. 368.—C.P. 2212.

HAB. Common up to an elevation of 2000 feet. Nom. vulg. "Katto-timbool."

17. ALLÆANTHUS, Thw.

(Hook. Journ. of Bot. vol. vi (1854) p. 302)

Flores dioici; *mas.* in spicis axillaribus unilateralibus pedunculatis dense aggregati. *Stamina* 4, perigonii segmentis opposita, æstivatione inflexa. *Ovarii rudimentum* parvum, conicum, subulatum. *Flores fœm.* pauci, cum pluribus abortivis squamæformibus intermixti, in capitulis globosis axillaribus congesti. *Perigonium* tubulosum, irregulariter 4-fissum. *Ovarium liberum*, sessile, 1-loculare. *Ornulum* pendulum, campylotropum. *Stylus* subterminalis, brevis. *Stigma* elongatum, simplex vel rarius secundo breviori comitatum.—*Broussonetiæ* valde affine.

1. **A. Zeylanicus**, Thw. l. c. t. 9 B.—C.P. 2215.

HAB. Central Province, at an elevation of 1000 to 2000 feet. Nom. vulg. "Allandoo-gass."

Arbor 30-40-pedalis. *Ramuli* teretes, pilosi, lactescentes. *Folia* alterna, disticha, cordato-lanceolata, acuminata, serrata, pennivenia, pilosula, subtus pallidiora, venosa, 3-4 poll. longa, 1½-1¾ poll. lata, ante anthesin simul decidua, *petiolo* piloso, 3 lin. longo. *Stipulæ* oblongæ, acuminatæ, membranacæ, sublaeves, striatæ, oblique, deciduæ, 2 lin. longæ, 1½ lin. latæ. *Flor. masc.* *Spicæ* 1-2½ poll. longæ, 2 lin. latæ, pilosæ, *pedunculo* 2-3 lin. longo. *Flores fœm.* *Capitula* 4 lin. in diam., brevipedunculata, pilosa.

A very tough fibre is obtained from the inner bark of this tree, which is used by the Cinghalese for a variety of purposes

18. ANTIARIS, Lesch.

Lepurandra, Nimmo.

1. **A. innoxia**, Blume, Rumphia, i. p. 172, t. 54.—*A. saccidora*, Dalz. Hook. Journ. of Bot. iii. (1851) p. 232; Wight, Ic. t. 1958. *A. toxicaria*, Hook. Comp. to Bot. Mag. i. p. 311, t. 17. *Lepurandra saccidora*, Nimmo, Plants of Bombay, p. 193. An *A. toxicariæ*, Lesch., varietas?—C.P. 2231.

HAB. Hot drier parts of the island; not uncommon. **Nom. vulg.** "Ritti-gass."

The liber, or inner bark, is carefully removed entire from portions of the trunk of the proper length, and used by the natives as sacks for containing rice and other articles.

19. **STREBLUS**, Lour., Blume.

Epicarpurus, Blume, olim.

1. **S. asper**, Lour. Fl. Coch. ii. p. 615; Blume, Mus. Bot. Lugd. Bat. ii. p. 79, cum syn.; Miq. Fl. Ind. Bat. i. pars altera, p. 278.—*Epicarpurus orientalis*, Bl. Bijdr. p. 488; Wight, Ic. t. 1961. *Trophis aspera*, Retz; Roxb. Fl. Ind. iii. p. 761.—c. p. 2214.

HAB. Very abundant up to an elevation of 2000 feet. **Nom. vulg.** "Gatta-nittool."

20. **TAXOTROPHIS**, Blume.

(Mus. Bot. Lugd. Bat. ii. p. 77)

1. **T. Roxburghii**, Blume, l. c. p. 78, cum syn.; Miq. Fl. Ind. Bat. vol. i. pars altera, p. 279.—*Epicarpurus spinosus*, Wight, Ic. t. 1962 (partim). *E. Timorensis*, Dene. *Trophis spinosa*, Flor. Ind. iii. p. 762.—c. p. 1074.

HAB. Hot drier parts of the island; not uncommon.

Cotyledones carnosæ, valde inæquales, quarum major minorem et radiculam brevem amplectens.

2. **T. Zeylanica**, Thw.—*Epicarpurus Zeylanica*, Thw. Hook. Journ. of Bot. iv. (1852) p. 1, et vol. iii. t. 11.—c. p. 2213.

HAB. Haragam, near Kandy

Frutex ramosus, parce spinosus, 8-10-pedalis. *Ramuli* puberuli. *Folia* glabra, membranacea, lanceolata vel trapezoido-lanceolata, obtuse acuminate, mucronulata, serrata, minute glanduloso-punctulata. *Inflorescentia* racemosa, *masc.* brevis, oblonga, confertiflora, *fem.* pauciflora, *pedicellis fructiferis* elongatis et apice incrassatis, *sepalis* parvis, demum reflexis, non auctis. *Cotyledones* subæquales, foliaceæ, plicato-convolutæ. *Radicula* longiuscula.

21. **DORSTENIA**, Plum.

1. **D. Indica**, Wight, Ic. t. 1964.—c. p. 29 (519)

HAB. Common in damp woods of the Central Province, at an elevation of 3000 to 6000 feet.

22. **UROSTIGMA**, Gasparr.

1. **U. religiosum**, Gasp (Miquel, Fl. Ind. Bat. vol. i. pars altera, p. 333, cum syn.; Wight, Ic. t. 1967).—*Ficus religiosa*, Linn.—c. p. 3672.

HAB. Common about native temples, being held in great veneration by the Cinghalese Buddhists. **Nom. vulg.** "Bo-gass."

2. **U. Arnottianum**, Miq. in Hook. Lond. Journ. of Bot. vi. p. 564; Walp. Ann. i. p. 688.—An *Ficus lucida*, Ait. Hort. Kew. v. p. 485?—c. p. 2856.

HAB. Hot drier parts of the island. **Nom. vulg.** "Kappootoo-bo-gass."

3. **U. infectorium**, Miq. l. c. p. 566, cum syn.; Walp. l. c.—*Ficus infectoria*, Willd.; Wight, Ic. t. 665. *U. ageirophyllum*, Miq. l. c. *U. Tjakela*, Miq. l. c. cum syn. *U. Ceylonense*, Miq. l. c. p. 690.—c.p. 2931, 3083.

HAB. Common up to an elevation of 2000 feet. **Nom. vulg.** "Kirripalla-gass."

Receptacula brevi-pedunculata vel sessilia

The Cinghalese sometimes use the bark of this tree, instead of the arcca-nut, to chew with their betel

4. **U. Wightianum**, Miq. l. c.; Walp. l. c.—An *U. perseefolium*, Miq. Walp. l. c. p. 689?—c.p. 2223.

Var. *β. majus*; folius majoribus, costulis utrinque 12-14; pedunculis receptaculis æquilongis vel multo brevioribus.—c.p. 2464.

HAB. Common in the Central Province, up to an elevation of 5000 feet.

Receptacula matura semipollicaria, flavida, plus minus rufescentia, punctata

An extremely variable species, and the foliage of the larger variety very closely resembles that of the preceding species, the much larger size of the fruit, however, at once distinguishes the present plant

5. **U. Benghalense**, Gasparr. (Miq. l. c. p. 571; Walp. l. c. p. 691, cum syn.)—*Ficus Bengalensis*, Linn. Amoen. *F. Indica*, Linn. Roxb.—c.p. 2225.

HAB. Hotter parts of the island, probably not indigenous. **Nom. vulg.** "Maha-nooga-gass."

6. **U. tomentosum**, Miq. l. c. p. 573.—*Ficus tomentosa*, Roxb. Fl. Ind. iii. p. 550; Walp. l. c.; Wight, Ic. t. 647.—c.p. 2226.

HAB. Trincomalee, Gardner. Bintenue.

7. **U. Mysorensis**, Miq. l. c. cum syn.; Walp. l. c. p. 691.—*Ficus Mysorensis*, Roth. *Ficus citrifolia*, Willd. Sp. Pl. iv. p. 1137.—c.p. 2222.

HAB. Not uncommon up to an elevation of 2000 feet. **Nom. vulg.** "Boonooga-gass."

8. **U. lacciferum**, Miq. l. c. p. 575; Walp. l. c. p. 692.—*Ficus laccifera*, Roxb. Fl. Ind. iii. p. 545; Wight, Ic. t. 656.—c.p. 2221.

HAB. Central Province, not uncommon. **Nom. vulg.** "Nooga-gass."

9. **U. Tjiela**, Miq. l. c. p. 580; Walp. l. c. p. 693.—*Ficus Tjiela*, Roxb. l. c. p. 549. *F. indica*, Linn. Syst. Veg. 922. *F. amplissima*, Linn.—c.p. 2537, 2220 (? 2218).

HAB. Central Province.

There is a noble specimen of this tree in the Royal Botanic Garden, whose branches spread over an area of ground 120 feet in diameter.

10. **U. retusum**, Miq. l. c. p. 581, cum syn.—*U. nitidum*, Miq. l. c. p. 582, cum syn. *U. ovoideum*, Miq. l. c. cum syn. *U. pisiferum*, Miq. l. c. p. 580, cum syn.; Walp. l. c. *Ficus retusa*, Linn. *F. nitida*, Thunb. *F. benjaminea*, Roxb. l. c. p. 550. *F. pallida*, Wall. Cat. n. 4567.—c.p. 14 (483).

HAB. Common in the Central Province, up to an elevation of 5000 feet.

11. **U. modestum**, Miq. l. c. p. 586; Walp. l. c. p. 696.—An *U. nervosa*, Miq. l. c., varietas?—c.p. 2219.

HAB. Central Province, at an elevation of 3000 to 5000 feet.

23. **POGONOTROPHE**, Miquel.

1. **P. dasyphylla**, Miq. in Hook. Lond. Journ. of Bot. vii. p. 74.—*P. Zeylanica*, Miq. l. c. p. 75; Walp. Ann. i. p. 701—c.p. 233, 379.

HAB. Central Province, at an elevation of about 4000 feet.

24. **FICUS**, Linn., Miquel.

1. **F. asperrima**, Roxb. Fl. Ind. iii. p. 554; Wight, Ic. t. 633.—*F. politoria*, Moon's Cat. p. 74 (non Lam.)—c.p. 2229.

HAB. Common up to an elevation of 2000 feet. Nom. vulg. "Secwana-maddeya-gass."

The leaves are in general use amongst native cabinet-makers as a substitute for fine sand-paper.

2. **F. cinerascens**, Thw.; *foliis* coriaceis, ellipticis vel oblongis, obtuse brevissime acumatis, 9- to 12-costulatis, reticulatis, superne glabris, nitidis, subtus pallidioribus, punctato-asperis, basi subtrunatis, rotundatis vel parum angustatis; *pedunculis* axillaribus, sæpius solitariis, petiolo brevioribus. *receptaculis* majusculis, sphaericis, scabris, sæpe brevi-stipitatis, 3-bracteatis, pedunculo subæquilongis.—c.p. 2562.

HAB. Warmer parts of the island. Nom. vulg. "Wal-gona-gass."

Arbor ingens. *Ramuli* teretes (siccis sulcati), asperuli. *Folia* 3-6 poll. longa, 1½-3 poll. lata (siccis cruceo-viridia), *petiolo* asperulo, 6-12 lin. longo. *Receptacula* pollicaria. *Flores* monoici. *Pentagonum* 5-phyllum. *Stigma* valde elongatum, bifidum.

3. **F. heterophylla**, Roxb. l. c. p. 532; Wight, Ic. t. 659; Miq. Hook. Lond. Journ. of Bot. vii. p. 231, cum syn.—*F. elongata*, Miq. l. c.; Walp. Ann. i. p. 712. *F. subpanduriformis*, Miq. l. c. p. 235; Walp. l. c. p. 714—c.p. 2228.

HAB. Common in damp shady places. Nom. vulg. "Wal-ahattoo."

4. **F. parasitica**, Kæmig; Miq. l. c. p. 433, cum syn.; Walp. l. c. p. 718.—*F. Ampelos*, Kæn.; Roxb. Fl. Ind. iii. p. 553. *F. pervia*, Miq. l. c. *F. cuspidifera*, Miq. l. c. cum syn.; Walp. l. c. *F. unguiculata*, Wall. Cat. 4479. *F. sclerophylla*, Roxb. l. c. p. 546?—c.p. 2227.

HAB. Very abundant up to an elevation of 2000 feet. Nom. vulg. "Gass-nettool."

5. **F. disticha**, Blume, Bijdr. p. 458; Miq. l. c. p. 440; Walp. l. c. p. 721.—c.p. 2224, 3116.

HAB. Common in the Central Province, at an elevation of 3000 to 5000 feet.

6. **F. diversiformis**, Miq. l. c. p. 441; Walp. l. c.—*F. stipulata*, Moon's Cat. p. 74 (non Thunb.)—c.p. 2217.

HAB. Very common up to an elevation of 2000 feet.

25. **COVELLIA**, Gasparr.

1. **C. oppositifolia**, Gasparr.; Miq. in Hook. Lond. Journ. of Bot. vii. p. 461, cum syn.; Walp. Ann. i. p. 728.—*C. Dæmonum*, Miq. l. c.

cum syn.; Walp. l. c. *C. Assamica*, Miq. l. c. p. 464; Walp. l. c. *C. dasycarpa*, Miq. l. c. p. 465; Walp. l. c. p. 729. *Ficus oppositifolia*, Willd.; Wight, Ic. t. 638. *F. Daemonum*, Vahl.—c.p. 2230.

HAB. Very abundant in the warmer parts of the island. Nom. vulg. "Kota-dimboola-gass."

2. *C. glomerata*, Miq. l. c.; Walp. l. c.—*Ficus glomerata*, Willd.; Roxb. Pl. Corom. ii. t. 123; Wight, Ic. t. 667.—c.p. 3305.

HAB. Common on the banks of rivers, up to an elevation of 2000 feet. Nom. vulg. "Atteekka-gass."

TRIB. CELTIDEÆ

26. ULMUS, Linn.

1. *U. integrifolia*, Roxb. Pl. Corom. i. t. 78; Wight, Ic. t. 1968.—*Holoptelea integrifolia*, Planch. Ann. des Sci. Nat. ser. iii. vol. x. p. 266.—c.p. 2381.

HAB. Hot drier parts of the island

27. CELTIS, Tourn.

Sectio *Sponoceltis*, Planch

1. *C. dysodoxylon*, Thw.; *partibus junioribus* ferrugineo-pilosis; *foliis* integris vel rarius obscure sinuato-dentatis, ovatis, plus minus abrupte acuminate, firmis, trinerviis, glabris, basi parum oblique angustatisque, costa venisque subtus puberulis; *cymis* brevibus, paucifloris, ferrugineo-pilosis; *drupis* parvis, subsphericis, parum acuminatis.—c.p. 2563.

HAB. Central Province, up to an elevation of 5000 feet. Nom. vulg. "Gooranda-gass"

Arbor mediocris. *Folia* superne levia, intense viridia, subtus pallidiora, inconspicue venosa (sicca fuscescentia), $2\frac{1}{2}$ – $3\frac{1}{2}$ poll. longa, $1\frac{1}{2}$ –2 poll. lata, *petiolo* $1\frac{1}{2}$ –3 lin. longo. *Flores* 5-meri, internæ ad basin dense pilosi. *Ovarium* versus apicem ferrugineo-strigosum. *Stigmata* elongata, acutata.

The freshly cut timber of this tree possesses a powerful and very disgusting odour.

Sectio *Solenostigma*, Planch

2. *C. Wightii*, Planch. l. c. p. 307; Wight, Ic. t. 1969.—c.p. 50 (331).

HAB. Not uncommon in the hot drier parts of the island.

28. SPONIA, Comm.

1. *S. orientalis*, Planch. Ann. des Sci. Nat. ser. iii. vol. x. p. 323.—*Celtis orientalis*, Linn. Fl. Zeyl. p. 176 (excl. syn. partim).

HAB. Common on the banks of rivers and on cleared ground. Nom. vulg. "Gadoomba-gass."

29. GIRONNIERA, Gaudich.

Nematostigma, Planchon. *Helminthospermum*, Thw.

1. *G. subæqualis*, Planch. Ann. des Sci. Nat. ser. iii. vol. x. p. 339; Blume, Mus. Bot. Lugd. Bat. ii. p. 73, t. 25.

Var. *β. Ceylanica*, Planch.—*Helminthospermum scabridum*, Thw. in Hook. Journ. Bot. vi. (1854) p. 302, t. 9 C.—c.p. 716.

HAB. Central Province, up to an elevation of 4000 feet.

2. *G. reticulata*, Thw.; *partibus junioribus* fugaci-adpresso-pilosis; *foliis* ovatis vel oblongis, plus minus abrupte longiuscule acuminatis, minutissime prominentim reticulatis, penniveniis, superne glabris, subtus parum asperulis; *stipulis* lanceolatis, pilosis, fere ad apices in unam intra-axillarem connatis, deciduis; FLOR. MASC. in *paniculis* parvis axillaribus vel secus ramulum juniorem infra folia dispositis; FLOR. FÆM. solitariis, axillaribus, pedicellatis; *drupis* glabris, ovoides, parum compressis, apice attenuatis —c.p. 2565.

HAB. Badulla District, not uncommon up to an elevation of 3000 feet.

Arbor 30–40-pedalis. *Folia* 2–5 poll. longa, $\frac{3}{4}$ –2 poll. lata (sicca rufescentia), *petiolo* 2–4 lin. longo. *Inflorescentia* subglabra. *Flores* parvi, 5-meri, *sepalis* rotundatis, obtusis. *Drupa* 6 lin. longa, 4 lin. lata, *stigmatibus* multo brevioribus coronata

CXXXIV. EUPHORBIACEÆ

TRIB UNIOVULATÆ

Sect. 1. EUPHORBIEÆ; *floribus involuocratis, pedicellatis, nudis vel perianthii rudimento suffultis.*

1. EUPHORBIA, Linn.

1. *E. antiquorum*, Linn. (Willd. Sp. Pl. ii. p. 881; Roxb. Fl. Ind. ii. p. 468; Wight, Ic. t. 897; Rheede, Hort. Mal. iii. p. 81, t. 42.)—c.p. 2944.

HAB. Common in the hot drier parts of the island. Nom. vulg. "Dalook-gass."

2. *E. tortilis*, Rottler, (Wight, Ic. t. 898.)—An præcedentis varietas? —c.p. 2943.

HAB. Similar situations with the preceding, and perhaps only a variety of it. Nom. vulg. "Seenook-gass."

3. *E. Tirucalli*, Linn. (Willd. l. c. p. 890; Roxb. l. c. p. 470; Rheede, l. c. ii. t. 44.)—c.p. 2945.

HAB. Near the seashore. Nom. vulg. "Nawa-handee."

The milky juice of this plant is much employed as a medicine by the Malabars.

4. *E. nereifolia*, Linn. (Willd. l. c. p. 884, cum syn.; Roxb. l. c. p. 467; Rheede, l. c. p. 83, t. 43.)

HAB. Colombo, Moon. Nom. vulg. "Patook-gass."

I have never met with this plant truly wild in the island

5. *E. hypericifolia*, Linn. (Willd. l. c. p. 895.)—*E. parviflora*, Linn.; Willd. l. c. p. 898; Roxb. l. c. p. 472. An *E. congenera*, Blume, Bijdr. p. 634? *Tithymalus erectus*, etc., Burm. Thes. Zeyl. p. 224, t. 105, f. 2. —c.p. 2125.

HAB. Very abundant. Nom. vulg. "Ella-dadakeeriya."

Tota planta, in meis specimenibus, plus minus hirsutula.

6. **E. rosea**, Retz, Obs. iv. p. 26; Willd. l. c. p. 895.—*E. satureioides*, Lam.—c.p. 2126, 2129.

HAB. Very common near the sea. Nom. vulg. "Moodoo-dadakeeriya."

7. **E. Burmanniana**, Gay.—*E. thymifolia*, Roxb. (Linn., Willd. partim). *Tithymalus humilis*, etc., Burm. l. c. t. 105, f. 3.—c.p. 2128.

HAB. Very abundant in cultivated ground. Nom. vulg. "Bin-dadakeeriya."

8. **E. Chamaesyce**, Linn. (Willd. l. c. p. 899.)—*E. uniflora*, Roxb. l. c. p. 473.—c.p. 3655.

HAB. Trincomalee, Rev. S. O. Glenie.

9. **E. bifida**, Hook. et Arn. Bot. Beech. p. 213.—*E. halophila*, Miquel.—c.p. 2131.

HAB. Not uncommon near the seashore.

Folia integerrima, glauca. Involucrum foliola glandulas vix excedentia

10. **E. fimbriata**, Roth; annua, herbacea, prostrata, villosula; *foliis* oppositis, ovatis vel ovato-rotundatis, obtusis vel subacutis, serrulatis, oblique cordatis, brevi-petiolatis; *floribus* inter folia ad apices ramorum conferta nidulantibus; *pedunculis* brevibus, solitariis; *involucrum foliolis* longiuscule laciniato-fimbriatis, lacinus pilosis; *glandulis* parvis, transverse oblongis.—c.p. 3568

HAB. Gunner's Quoin, in the Batticaloa District.

Folia 2½–6 lin. longa, 2–3½ lin. lata *Involucrum* brevi-campanulatum, foliolis radiantibus, 2 lin. in exp., albidis, rufescentibus *Capsula* villosula

11. **E. pilulifera**, Linn. (Willd. l. c. p. 897.)—*E. hirta*, Roxb. l. c. p. 472. (Linn., Willd., quoad plantas Zeylanicas.) *Tithymalus botryoides*, etc., Burm. l. c. pp. 223, 224, t. 104 et t. 105, f. 1.—c.p. 3337.

HAB. Very abundant in cultivated ground. Nom. vulg. "Boo-dadakeeriya."

12. **E. Rothiana**, Spr. (Wight, Ic. t. 1864.)—*E. lata*, Roth (non Ait.). *E. glauca*, Roxb. l. c. p. 473 (non Willd.). *E. oreophila*, Miq. *E. lanceolaria*, Herb. Heyne—c.p. 2124.

HAB. Very common up to an elevation of 7000 feet.

Sect. 2. HIPPOMANEÆ, *floribus spicatis vel subspicatis, arcte bracteatibus; perianthio uniseriali, segmentis in æstivatione imbricatis, vel plus minus imperfecto.*

2. SAPIUM, Jacq.

1. **S. Indicum**, Willd. (Roxb. Fl. Ind. iii. p. 692; Wight, Ic. t. 1950.)—c.p. 2946.

HAB. Warmer parts of the island. Nom. vulg. "Kirri-makooloo-gass."

3. EXCÆCARIA, Linn.

1. **E. Agallocha**, Linn. (Willd. Sp. Pl. iv. 864; Roxb. Fl. Ind. iii. p. 756; Wight, Ic. t. 1865 B.)—c.p. 2169.

HAB. Very common near the sea. Nom. vulg. "Tellakeeriya-gass."

2. **E. oppositifolia**, Jack in Calc. Journ. of Nat. Hist. iv. p. 386; Walp. Ann. i. p. 621.—*E. crenulata*, Wight, Ic. t. 1865 A.—c.p. 2523.

HAB. Common in the Central Province, at an elevation of 4000 to 6000 feet.

4. MICROSTACHYS, A. Juss.

1. **M. Chamælea**, A. Juss.—*Tragia Chamælea*, Linn.; Willd. Sp. Pl. iv. p. 326, cum syn.; Roxb. Fl. Ind. ii. p. 577.—c.p. 2132.

HAB. Very common amongst grass. Nom. vulg. "Rat-pittawaakka."

5. FALCONERIA, Royle.

1. **F. insignis**, Royle, Him. Illustr. p. 354, t. 98, f. 2—Var. *ovario triloculari*.—*F. Malabarica*, Wight, Ic. t. 1866.—c.p. 654.

HAB. Hot, drier parts of the island.

Sect. 3. ACALYPHÆ; *floribus masc. perianthio uniseriali, segmentis in æstivatione valvatis, flor. fem. perianthio uniseriali vel sub biseriali, segmentis in æstivatione sapissime imbricatis.*

Monouca

6 DALECHAMPIA, Plum.

1. **D. bidentata**, Blume, Bijdr. p. 632, Miq. Fl. Ind. Bat. vol. 1. pars altera, p. 417—*D. Indica*, Wight, Ic. t. 1882. *D. velutina*, Wight, Ic. t. 1881—c.p. 2170.

HAB. Gonagana, on the Lower Badulla road from Kandy; not common.

My specimens appear to be intermediate in character between Dr. Wight's *D. Indica* and *D. velutina*, and agree very well with Blume's description. The analysis of the male flower in both Dr. Wight's figures is incorrect, the filaments being represented as free to the base, instead of cohering into a central column.

7 TRAGIA, Plum.

(Nom. vulg. "Wel-kahambilleya")

1. **T. cannabina**, Willd. Sp. Pl. iv. p. 326; Roxb. Fl. Ind. iii. p. 575.—c.p. 3569.

HAB. Hot, drier parts of the island.

2. **T. involucrata**, Willd. l. c. p. 324; Roxb. l. c. p. 576, cum syn.—c.p. 2099, 2100, 2951.

Var. β . *montana*, *foliis ovato-lanceolatis, cordatis*.—c.p. 3519.

HAB. Very common. Var. β . Newera Ellia.

An extremely variable species, and I suspect that the preceding is but a form of it.

8. ADENOCHLÆNA, Boiss.

In Baillon's Étude des Euph. p. 472. *Symphyllia*, Baill. l. c. p. 473

Centrostylis, Baill. l. c. p. 469

1. **A. Zeylanica**, Thw.—*Centrostylis Zeylanica*, Baill. l. c. p. 470.—c.p. 396, 2111.

HAB. Rambodde and Hapbootelle, in the Central Province, at an elevation of 4000 to 5000 feet.

Frutex suberectus, parce ramosus, partibus junioribus pubescentia stellata albida

teetis. *Rami* elongati, debiles. *Folia* oblongo-lanceolata, acuminata, basi lata, truncata vel subcordata, trinervia, 3-7 poll longa, 1-3 poll. lata, *petiolo* $\frac{1}{2}$ -3 poll longo. *Stipulae* subreniformes. FLORES masc parvi, ad apicem pedunculi dense agglomerati. *Stamina* 4-5, sepalis alterna, filamentis ad basin pistilli rudiment columnaris insertis, aestivatione incurvis, denique suberectis, *antheris* extrorsis. FLOR. FÆM. ad basin pedunculi, 1-3, singuli saepe pedicello proprio, brevi, floribus masc paucis cincto. *Sepala* 5-6, lanceolata. *Ovarium* pilosum. *Stylus* 3-lobus, majusculus, deciduus, lobis copiose profundeque laciniatis. *Calyx fructiferi* aucti segmenta pectinato-laciniata, laciniis longis, setaceis, apice incrassatis purpureisque. *Capsula* 3-loba, parum depressa, coccis rotundatis. *Semina* subsphaerica, 2 lin. in diam., brunneo nigroque marmorata.

As M. Baillon's description of this plant, the type of his genus *Centrostylis*, is incorrect, having been derived probably from imperfect specimens, I have thought it best to describe it here pretty fully.

9 ACALYPHA, Linn.

1. **A. Indica**, Willd. Sp. Pl. iv. p. 523, cum syn.; Roxb. Fl. Ind. iii. p. 675; Wight, Ic. t. 877.—c. p. 2098.

HAB. Very common in cultivated ground. Nom. vulg. "Kooppa-mameya."

2. **A. betulina**, Willd. l. c. p. 522.—An *A. capitata* et *A. alnifolia*, Willd. l. c. p. 525?—c. p. 2094.

HAB. Hot, drier parts of the island.

3. **A. hispida**, Willd. l. c. p. 523—c. p. 2092, 2097.

HAB. Common in the hotter parts of the island.

4. **A. ciliata**, Forsk (Willd. l. c. p. 522; Roxb. l. c. p. 676).—*A. lanceolata*, Willd. l. c. p. 524, cum syn. c. p. 2095.

HAB. Not very uncommon in the warmer parts of the island.

5. **A. Wallichii**, Thw.; herbacea, ramosa, pilosula; *foliis* ovato-lanceolatis, dentatis, basi rotundatis, longe petiolatis, *inflorescentia* masc. axillari, spiciformi; *sum* terminali, paniculata, rarius axillari, spiciformi; FLOR. FÆM. *sepalis* 5.—*A. racemosa*, Wall. Cat. n. 7784. *Welia Capameni*, Rheede, Hort. Mal. x. p. 165, t. 83.—c. p. 2096 (2459).

HAB. Damp, shady places, up to an elevation of 3000 feet.

Folia 1-6 poll. longa, $\frac{3}{4}$ -4 poll. lata, *petiolo* $\frac{3}{4}$ -5 poll. longo. *Capsula* glandulosa. *Semina* subsphaerica, minutissime reticulata.

Dioecæ

10. CLAOXYLON, A. Juss. (non Wight).

Erythrochilus, Reinw., Blume. *Micrococca*, Benth.

1. **C. Mercurialis**, Thw.—*Micrococca Mercurialis*, Benth. in Hook. Fl. Nigrit. p. 503. *Tragia Mercurialis*, Willd. Sp. Pl. iv. p. 324; Roxb. Fl. Ind. iii. p. 576.—c. p. 3310.

HAB. Very common in cultivated ground.

2. **C. longifolium**, Baillon, Étude des Euphorb. p. 493.—*Erythrochilus longifolius*, Blume, Bijdr. p. 616.—c. p. 2102, 2499.

HAB. Central Province, up to an elevation of 5000 feet.

Frutex ramosus. *Folia* lanceolata, utrinque angustata, parce glanduloso-denticulata, 3-8 poll. longa, $\frac{1}{2}$ -1 $\frac{1}{2}$ poll. lata, sæpe cyaneascentia, *petiolo* apice superne glanduloso-

denticulata, $\frac{1}{4}$ –8 poll. longo. *Pedunculi* axillares, solitarii. *Glomeruli* secus rachin seepissime valde elongatam sparsi, hispidi; MASC. stipitato-glandulosi. FLOR. MASC. *Stamina* 12–15, glandulis stipitatis 5–6-radiatis intermixta; *filamentis* brevibus, *antheris* albidis. *Capsula* pilosa.

The present genus is at once distinguished from *Rottlera* by its stamens being intermixed with stalked glands; and by the linear squamulae adpressed to the ovary, within and alternating with the calyx-segments.

11. CLEIDION, Blume.

1. *C. Javanicum*, Blume, Bijdr. p. 613?; Wall. Cat. n. 7718.—C.P. 656 (2104).

HAB. Central Province, up to an elevation of 2000 feet. Nom. vulg. "Okooroo-gass."

Antheræ transverse dehiscentes. *Semina* spherica, 4–5 lin. in diam.; *testa* ossea.

12. SPATHIOSTEMON, Blume.

Adelia, Schreb., Miq., Roxb. (partim), Wight (non Linn.).

Hæmatospermum, Wall, Lindley

1. *S. Javense*, Bl. Bijdr. p. 622.—Var. β ; *capsula* lævi vel sublævi.—*S. salicinum*, Zoll. et Moritz; Baill. Ét. des Euph. p. 293. *Adelia neriifolia*, Roxb. Fl. Ind. iii. p. 840; Wight, Ic. t. 1868; Miquel, Fl. Ind. Bat. vol. i. pars altera, p. 389. *Hæmatospermum neriifolium* et *H. riparium*, Wall. Cat. n. 7953, etc.—C.P. 651.

HAB. Very common on the banks of rivers, where it is frequently submerged; up to an elevation of 2000 feet.

I can find no sufficient character to separate, except as a mere variety, the present common Indian and Ceylon plant from Blume's species, for a specimen of which latter I am indebted to M. Binnendijk, of the Java Botanic Garden.

13. TREWIA, Linn.

1. *T. nudiflora*, Linn. (Roxb. Fl. Ind. iii. p. 837, cum syn.; Wight, Ic. tt. 1870, 1871).—*Rottlera Indica*, Willd.; Blume, Bijdr. p. 607; Wall. Cat. n. 7817 B.—C.P. 2930.

HAB. Not uncommon in the hotter parts of the island.

14. ROTTLEA, Roxb.

1. *R. tetracocca*, Roxb. Fl. Ind. iii. p. 826.—C.P. 2118.

HAB. Common up to an elevation of 2000 feet. Nom. vulg. "Boo-kanda-gass."

2. *R. rhombifolia*, Thw.—*R. dicocca*, Roxb. l. c. p. 829 (excl. syn.). *Croton rhombifolium*, Willd. Sp. Pl. iv. p. 555; Moon's Cat. p. 65.—C.P. 2115.

HAB. Not uncommon up to an elevation of 1500 feet.

Frutex vel *arbor* parva, subscandens, *partibus junioribus inflorescentiaque* pubescentia stellata ochraceis. *Folia* $1\frac{1}{2}$ –4 poll. longa, $1\frac{1}{2}$ –3 poll. lata, creberrime translucens-punctulata, subtus plus minus stellato-pilosa, disculis albidis nitentibus conspersa; *petiolo* cylindrico, piloso, 2 poll. longo. *Flores* numerosi. *Capsula* cocci 2, rotundati. *Semina* spherica, rufo-nigra, 2 lin. in diam.

3. *R. tinctoria*, Roxb. Cor. Pl. ii. t. 168; Willd. l. c. p. 832; Roxb. Fl. Ind. iii. p. 827, cum. syn.—*Croton coccineum*, Vahl; Willd. l. c. p. 544. An *C. punctatum*, Retz; Willd. l. c. p. 546?—c.p. 2103.

HAB. Not uncommon in the hotter parts of the island. Nom. vulg. "Hamparandella-gass."

4. *R. oppositifolia*, Blume, Bijdr. p. 608.—*Plagianthera oppositifolia*, R. & Zoll.; Baill. Étude des Euph. p. 424.—c.p. 196 (2106).

HAB. Common up to an elevation of 2000 feet.

Frutex vel *arbor* parva, *partibus junioribus* pubescentia stellata ochraceo-fuscis. *Folia* ovato-lanceolata, utrinque angustata, acuminata, trinervia, 2–10 poll. longa, subtus disculis aureis nitentibus parce conspersa, venis venulisque prominentibus, *petiolo* $\frac{1}{2}$ –3 poll. longo. *Capsula* 3- vel 4-cocca, laevis, stellato-pubescent, coccis subsphaericis.

5. *R. fuscescens*, Thw.; glabra, *partibus junioribus*, *inflorescentia* foliisque subtus disculis adpressis plus minus rufescentibus creberrime conspersis; *foliis* oppositis, ovato-lanceolatis, acuminatis, penninerviis vel aliquando sub-trinerviis, subtus venulis parum prominentibus; *capsula* 3- vel 4-cocca, sparse glandulosa, coccis subsphaericis.—c.p. 2105.

HAB. Not uncommon up to an elevation of 2000 feet.

Arbor parva. *Folia* 2–6 poll. longa, 1–3 poll. lata, basi parum angustata; *petiolo* $\frac{1}{2}$ –1 $\frac{1}{2}$ poll. longo, apice obscure biglanduloso.

6. *R. muricata*, Thw.—*Claoxylon muricatum*, Wight, Ic. t. 1886. An *Rottleræ aureo-punctata*, Dalz. in Hook. Lond. Journ. of Bot. iii. (1851) p. 122, varietas?—c.p. 2108.

HAB. Central Province, up to an elevation of 4000 feet.

Arbor parva, subglabra. *Folia* apposita, cuneato-obovata, rostrato-acuminata, grosse sinuato-dentata vel rarius subintegra, subtus disculis aureis vel rufescentibus creberrime conspersa, 2–7 poll. longa, 1–3 poll. lata, *petiolo* $\frac{1}{2}$ –1 poll. longo. *Capsula* 3-cocca, echinulis subglabris teretibus flexilibus prope basin articulatis caducisque munita.

7. *R. digyna*, Thw.—*Claoxylon digynum*, Wight, Ic. t. 1884.—c.p. 2109.

HAB. Caltura.

Arbor parva. *Folia* subtus disculis rufescentibus creberrime conspersa, prope basin biglandulosa.

8. *R. eriocarpa*, Thw.; pubescens; *foliis* oppositis, oblongo-lanceolatis, integris vel parum undulatis, trinerviis, subtus disculis aureis nitentibus parce conspersis, basi rotundatis vel subcordatis; *capsula* 3-cocca, echinulis plurimis patentim pilosis vestita, coccis subsphaericis. *Croton montanum*, Herb. Wight; Wall. Cat. n. 7820 A.—c.p. 2112.

HAB. Hot, drier parts of the island, not very common.

Frutex, pubescentia stellata ochraceo-fulva plus minus tomentosus. *Folia* 2–8 poll. longa, 1–4 poll. lata, *petiolo* $\frac{1}{2}$ –2 poll. longo. FLO. MASC. *Alabastra* conica. *Stamina* numerosa, connectivo non producto. FLO. FEM. *Ovarium* staminibus sterilibus plurimis cinctum. *Stylis* lobi 3, mediocres, interne valde plumosi.

Wallich's plant, from Penang, has the staminal filaments hairy, whilst in the Ceylon plant they are glabrous; but in other respects the two plants appear to agree perfectly.

15. PODADENIA, Thw. (gen. nov.).

FLO. MASC. *Stamina* numerosa, glandulis parvis oblongis plurimis intermixta. FLO. FEM. *Fructus* indehiscens, carnosus, 3-spermus vel

sæpius abortu 1- vel 2-spermus. *Semina* arillo copioso integro carnosio vestita.—Cæterequin ut in *Rottlera*.

1. *P. sapida*, Thw.—*Rottlera* (*Stylanthus*) *Thwaitesii*, Baillon, Étude des Euphorb. p. 426.—c.p. 3428.

HAB. Ambagamowa and at Marai-Calai, near Ratnapoora, at an elevation of 1000 to 2000 feet.

Arbor ingens, *partibus junioribus* fulvo-tomentosis. *Folia* integra, obovata, breve et abrupte acuminata, pennivenia, eglandulosa, superne glabra, costa venisque pilosis, subtus pilosa, basi plus minus angustata, 5-10 poll. longa, 2½-5 poll. lata, *petiolo* cylindrico, tomentoso, ½-2 poll. longo. *Inflorescentia* terminalis, paniculata, fulvo-tomentosa, glandulis stipitatis rubris creberrime conspersa. *Flores* rubri; MASC. secus racheos ramos dense fasciculati; alabastris acuminatis. FLOR. FÆM. *Stylis* lobi 3, longiusculi, subulati, contorti, interne stigmatosi. *Fructus* subsphæricus, rufescens, glandulis majusculis stipitatis dense echinulatus, sesquipollicaris. *Semina* oblonga, 8-9 lin. longa, 4-5 lin. lata; *testa* ossea, brunnea. *Albumen* copiosum. *Arlus* albidus, sapidus.

The fleshy aril of the seed of this fine tree has an agreeable flavour, but I cannot learn that the Cinghalese eat it; the plant, however, being scarce and occurring in little-frequented localities, is probably known to but few of the natives.

16. MACARANGA, Dup. Th.

1. *M. tomentosa*, Wight, Ic. t. 1949-1.—c.p. 2171.

HAB. Very abundant up to an elevation of 3000 feet. Nom. vulg. "Kanda-gass."

Sect. 4. CROTONEÆ; *floribus masc. et fæm. perianthio biseriali vel sub-biseriali, segmentis imbricatis.*

Floribus apetalis.

† *Perianthii* lobis 5, quorum 2 minores, interni.

17. GELONIUM, Roxb.

1. *G. lanceolatum*, Willd. Sp. Pl. iv. p. 832; Roxb. Fl. Ind. iii. p. 831; Wight, Ic. t. 1867.—*G. bifarium*, Willd. l. c. p. 831. An Roxb. l. c. p. 830? An *G. fasciculatum*, Roxb. l. c. p. 832? An *Erythrocarpus glomerulatus*, Blume, Bijdr. p. 604?—c.p. 2101.

Var. β; *foliis* minoribus et plus minus angustioribus, sæpe aculeato-dentatis; *floribus* minoribus, denique ad apicem ramorum brevium racheos bifarii dispositis.—An *Erythrocarpus spicatus*, Blume, Bijdr. p. 604?—c.p. 695, 252.

HAB. Common in rather open forests, up to an elevation of 4000 feet.

A very variable plant; and all the specimens I have seen of the genus, from different and distant parts of India, might with safety be referred, I think, to one species.

†† *Perianthii* verticillus dimeris.

18. CHÆTOCARPUS, Thw.

Hook. Lond. Journ. of Bot. vi. (1854) p. 300. Baill. Étude des Euphorb. p. 323.

(Nom. vulg. "Haddoka-gass.")

Stamina sæpissime 8, biserialia, dimidio inferiore coalita et pistilli rudimentum cingentia.

1. *C. castanocarpus*, Thw.—*C. pungens*, Thw. l. c. p. 301 (excl. descrip. fruct.), t. 10 A, fig. 1–4. *Adelia castanocarpa*, Roxb. Fl. Ind. iii. p. 848; Wall. Cat. n. 7984. *Casearia ? coriacea*, Wall. Cat. n. 7196.—C.P. 2641.

Var. β ; *pubescens*; *ramulis foliisque subtus plus minus hispidis*.—C.P. 3013.

HAB. Common in the Ratnapoora and Ambagamowa Districts.—Var. β . Pasdun Corle.

Flores 2–2½ lin. longi. *Capsula* subsphærica, semipollicaris, aculeis rigidis fragilibus reflexe setulosis ochraceo-rufescentibus dense tecta, *putamine* mediocri.

2. *C. coriaceus*, Thw.; *foliis* valde coriaceis, glabris, oblongis, brev-acuminatis, superne lævibus, subtus parce venosis, basi acutis; *capsula* muricata, sparse strigosa.—*C. pungens*, Thw. l. c., quoad descrip. fruct. et fig. 6–9.—C.P. 1025.

HAB. With the preceding species, and equally common.

Arbor mediocris, *ramulis* subglabris. *Folia* 3–6 poll. longa, 1½–3 poll. lata, *petiolo* 3–5 lin. longo. *Fasciculi* multiflori, minute tomentosi. *Flores* 1–1½ lin. longi. *Filamenta* pilosa. *Capsula* ovoidea, obscure trigona, apiculata, 8 lin. longa; *putamine* osseo, 1 lin. in crass.

This very much resembles the preceding species, but the leaves of the present plant are much more coriaceous in texture, the flowers are smaller and on rather longer pedicels, and the capsule is very different. The timber of both is hard, and useful for building purposes.

††† *Perianthii verticillis trimeris*.

19. MISCHODON, Thw.

Hook. Journ. of Bot. vi. (1854) p. 299. Baillon, Étude des Euphorb. p. 335.

1. *M. Zeylanicus*, Thw. l. c. p. 300, t. 10 B.—C.P. 557.

HAB. Mantani, Gardner; Ooma Oya, on the Lower Badulla Road from Kandy; not common.

FLOR. R&M. *Stylus* 3-partitus, *lobis* brevibus, reflexis, apice rotundato-dilatatis.

** *Perianthii verticillis* 4–5-meris, interiore petalino, aliquando in flor. fœm. minutissimo, vel nullo.

† *Monocœ*.

20. CROTON, Linn.

1. *C. lacciferum*, Linn.; Wight, Ic. t. 1915 (excl. syn. aliq.)—*Aleurites lacciferus*, Willd. Sp. Pl. iv. p. 590. *Croton foliis ovatis*, etc., Fl. Zeyl. n. 344. *Ricinoides aromatica arbor*, etc., Burm. Thes. Zeyl. p. 201, t. 91.—C.P. 2117.

HAB. Very common up to an elevation of 3000 feet. Nom. vulg. “Gass-kappiteya.”

The lac obtained from the old trees of this species is employed by the Cinghalese for medicinal and other purposes.

2. *C. aromaticum*, Linn. (Willd. l. c. p. 549, cum syn.)—An *C. Moluccanum*, Willd. l. c. p. 551 (excl. syn.)? *Croton foliis cordatis*, etc., Fl. Zeyl. n. 345.—C.P. 2116.

HAB. Abundant in the hotter parts of the island. Nom. vulg. “Wel-kappiteya.”

A præcedente, cui valde affinis, differt *ramulis* elongatis debilibus; *foliis* minus pilosis et sæpius aperte cordatis; *capsula* majore elongatioreque, pilis stellatis parce conspersa.

The present plant bears considerable resemblance to Roxburgh's *Croton drupaceum*; but, besides other differences, the fruit of the latter is much larger and more hairy, and the lateral nerves of its leaves form a much more acute angle with the costa.

3. *C. Klotzschianum*, Wight, Ic. t. 1914.—c.p. 2113.

HAB. Not uncommon in the hot, drier parts of the island.

Frutex vel *arbor* parva, *partibus junioribus* dense stellato-pubescentibus. *Folia* oblongo-lanceolata, acuminata, denique subglabra, incurvo-denticulata, creberrime translucenti-punctulata, $1\frac{1}{2}$ –4 poll longa, $\frac{3}{4}$ –2 poll. lata, *petiolo* 3–15 lin. longo, glandulis disciformibus ad apicem subsessilibus. *Capsula* parum depressa, triloba, 4 lin. in diam., denique glabra.

I think this must be Dr. Wight's plant, as it agrees very well with his figure and short description. It is very closely allied to the two preceding species, from which it is best distinguished by its smaller, and at length glabrous, leaves and capsule; and by the latter being distinctly trilobed instead of subspherical.

4. *C. Moonii*, Thw.; *foliis* scabris, oblongis vel obovato-oblongis, acuminatis, obscure denticulatis, utrinque sparse stellato-pubescentibus, basi plus minus angustatis, rotundatis vel subcordatis, irregulariter trinerviis; *capsula* oblato-sphæroidea, tuberculata, furfuracea.—*C. punctatum*, Moon, Cat. p. 65 (non Retz).—c.p. 577.

HAB. Caltura.

Arbor parva, *ramulis*, *petiolis inflorescentiaque* pubescentia stellata scabris. *Folia* 3–6 poll. longa, $1\frac{1}{4}$ –2½ poll lata, siccitate superne nigrescentia, *petiolo* $\frac{3}{4}$ –1½ poll. longo, glandulis disciformibus ad apicem subsessilibus. *Capsula* 3½ lin. in diam.

5. *C. nigro-viride*, Thw.; subglabrum, *partibus junioribus* sparse stellato-pubescentibus; *foliis* firmis, opacis, ovato-lanceolatis, obtuse acuminatis, serratis, irregulariter 3-nerviis, basi parum angustatis; *capsula* (immatura) stellato-pubescente furfuracea.—c.p. 3637.

HAB. Rambodde, in the Central Province, at an elevation of 5000 feet.

Arbor parva. *Folia* nigro-viridia, 3–5 poll. longa, *petiolo* semipollicari, glandulis disciformibus ad apicem brevi-stipitatis.

Allied to the preceding, but distinguished at once by its glabrous and distinctly serrated leaves.

6. *C. hypoleucum*, Dalz. in Hook. Journ. of Bot. iii. (1851) p. 123 (non Schlecht.).—*C. reticulatum*, Heyne, fid. Wall. Cat. 7724 A, B.—c.p. 2110.

HAB. Central Province, at an elevation of 2000 to 3000 feet.

Frutex, *ramulis*, *petiolis inflorescentiaque* albido- vel sæpius plus minus ferrugineo-leprosis. *Folia* membranacea, oblongo-lanceolata, acuminata, subintegra, superne glabra nitida (juniora fugaci-leprosa), subtus dense albido-leprosa, basi rotundata vel plus minus acuta, trinervia, 3–7 poll longa, $\frac{3}{4}$ –2½ poll. lata; *petiolo* $\frac{3}{4}$ –1½ poll. longo, glandulis disciformibus ad apicem 2–4, stipitatis. *Capsula* ovoidea, trigona, apiculata, ferrugineo-leprosa, semipollicaris. *Semina* oblonga, nigro-fusca, albo-maculata.

7. *C. oblongifolium*, Roxb. Fl. Ind. p. 685.—*C. levigatum*, Wall. Cat. 7735.—c.p. 2114.

HAB. Hot drier parts of the island, at no great elevation.

Arbor parva, *ramulis*, *petiolis inflorescentiaque* albido-leprosis. *Folia* glabra, oblongo-lanceolata, utrinque angustata, parum obtusata, serrata, glandulis disciformibus ad apicem petioli parvis immersis.

Croton Tiglium, Linn., occurs not uncommonly in native gardens, but can scarcely be considered truly wild.

21. BLACHIA, Baillon :

Étude des Euphorb. p. 385, t. 19, fig. 18-20.

1. **B. umbellata**, Baill. l.c.—*Croton umbellatum*, Willd. Sp. Pl. iv. p. 545 ; Wight, Ic. t. 1874.—c.p. 3014.

HAB. Very common in the south of the island, and especially near the sea.

Though it is difficult to point out any very decided character to separate this species generically from *Croton*, still the eglandulose leaves, the umbellate inflorescence, the anthers erect in aestivation, and other minor characters about the inflorescence of the present plant, are probably sufficient to justify its being constituted a distinct genus.

22. TRIGONOSTEMON, Blume.

1. **T. diplopetalus**, Thw. ; *foliis* subglabris, lanceolatis, mucronatis, distanter denticulatis, basi cuneatis ; *pedicellis* floribus subæquilongis ; *petalis* profunde bifidis, lobis rotundatis, laciniato-sinuatis, undulatis ; *capsula* lævi, pilosa.—c.p. 578.

HAB. Palahattoo, in the Reigam Corle, at no great elevation.—Sept. 1856.

Frutex vel *arbor* parva, *partibus junioribus inflorescentiaque* parce pilosis. *Folia* sublævia, pennivenia, siccitate nigro-fuscescentia, 6-9 poll. longa, 1½-2½ poll. lata ; *petiolo* semipollicari, superne sulcato, ad apicem bidenticulato. *Stipulae* minutæ, subulatae, caducæ. *Racemi* terminales, multiflori, foliis breviores ; *bracteæ* minutis. *Petala* rubra. FLOR. MASC. *Pedicelli* 1½-2 lin. longi. *Calycis* lobi rotundati, petalis dimidio breviores. *Antherarum loculi* ad apicem connectivi crassi divergentes. FL. FÆM. *Pedicelli* superne incrassati, 4-5 lin. longi ; *fructiferi* 6-7 lin. longi. *Calycis* lobi oblongi, plerumque dorso apiculati, petalis reflexis longiores. *Styli* lobi 3, breves, bis bifidi. *Capsula* 3-lobata, parum depressa, 2 poll. lata.

2. **T. nemoralis**, Thw. ; *foliis* subglabris, lanceolatis, acuminatis, mucronulatis, undulatis, obscure denticulatis, penniveniis, basi cuneatis, brevi-petiolatis ; *floribus* pedicellis subæquilongis ; *petalis* oblongis, quam lobi calycini 2- vel 3-plo longioribus ; *capsula* muricata, pilosa.—c.p. 3570.

HAB. Madamahanevewera, in the Central Province, at an elevation of 2000 feet.

Frutex vel *arbor* parva, *partibus junioribus inflorescentiaque* adpressæ pilosis. *Folia* sublævia, ad apicem ramuli parum conferta, 3-7 poll. longa, 1-2 poll. lata ; *petiolo* 2-4 lin. longo, apice bidenticulato. *Stipulae* subulatae, 1-1½ lin. longæ. *Racemi* multiflori, foliis breviores. *Petala* rubra. FLOR. MASC. *Antherarum loculi* subparalleli, parum distantes, ad apicem connectivi rotundati. FL. FÆM. quam masc. parum majores, 6-7 lin. in exp. *Ovarium* hispidum. *Styli* lobi 3, breves, spatulati, emarginati, reflexi. *Semina* sphaerica, 3 lin. in diam., dorso parum carinata ; *testa* lævi, fusco-marmorata.

23. JATROPHA, Kth.

1. **J. glauca**, Vahl, (Willd. Sp. Pl. iv. p. 558.)—c.p. 2168.

HAB. Damboul, Gardner.

24. **DIMORPHOCALYX**, Thw. (gen. nov.)

FLOR. MASC. *Calyx* cupuliformis, margine undulatis vel breve 5-dentatus. *Petala* 5, erecta, apice reflexa. *Glandulae* 5, squamæformes, petalis alternæ. *Stamina* sæpissime 10, biserialia, 5 externa breviora petalis opposita; *filamentis* coalitis, apice liberis; *antheris* introrsis, loculis parallelis, longitudinaliter dehiscentibus. *Ovarii rudimentum* nullum. **FLOR. FÆM.** *Calyx* profunde 5-lobus, segmentis plus minus inæqualibus. *Petala* ut in flor. masc. *Stamina abortiva* sæpius nulla. *Discus* annularis. *Ovarium* 3-loculare. *Styli lobi* 3, erecti, apicibus bifidis, reflexis. *Capsula* 3-cocca, calyce plus minus aucto suffulta. *Arbor* parva, ramosissima, glabra; *foliis* lanceolatis vel ovatis, margine parce glanduloso-punctatis, petiolatis; *stipulis* parvis, triangularibus, acutis; *cymis* paucifloris, terminalibus axillaribusque, sessilibus vel brevi-pedunculatis, sæpius unisexu; *bracteis* parvis, imbricatis.

1. **D. glabellus**, Thw.—*Croton glabellum*, Herb. Wight. An *C. Lavianus*, Nimmo in App. to Graham's Bot. of Bombay?—c.p. 1046 (2167).

HAB. Common in the hot drier parts of the island. Nom. vulg. "Welle-wenne-gass."

Folia 1-6 poll longa, *petiola* 2-6 lin. longo. *Pedicelli* 1-4 lin. longi. *Petala* alba, 3-4 lin. longa. *Capsula* 4-5 lin. in diam., pilosula.

†† *Dioica*.

25. **DESMOSTEMON**, Thw. (gen. nov.)

Calyx profunde 5-lobus, segmentis rotundatis, inæqualibus. *Petala* 5, erecta, apice reflexa, calyce longiora. **FLOR. MASC.** *Glandulae* 5, majusculæ, carnosæ, contiguæ. *Stamina* circiter 15, 3-serialia; *filamentis* coherentibus, apice liberis, 5 externis brevioribus et petalis oppositis; *antheris* dorso medio affixis, extrorsis, loculis parallelis et longitudinaliter dehiscentibus. **FLOR. FÆM.** *Ovarium* conico-ovoideum. *Discus* annularis. *Styli lobi* 3, bifidi. *Capsula* 3-cocca, subsphærica, parum 6-costata, externe subcarnosa. *Semina* oblonga, albumine copioso. *Arbor*, *partibus junioribus* fugaci-leprosis; *foliis* majusculis, oblongo-lanceolatis, acuminatis, serratis, glabris, penniveniis, longe petiolatis, *petiolo* ad apicem tumido et minute 2-glanduloso; *stipulis* minutis, interne glandula rotundata tectis; *paniculis* terminalibus, elongatis, pendulis; *floribus* plus minus glomeratis, brevi-pedicellatis.

1. **D. Zeylanicus**, Thw.—c.p. 2160.

Var. *β. minor*; subarboreus, partibus omnibus minoribus.—c.p. 2158.

HAB. Central Province, up to an elevation of 4000 feet. Var. *β*. Warmer and southern parts of the island. Nom. vulg. "Wal-kakoona-gass."

Petala albida, 3-4 lin. longa. *Capsula* 1 poll. (var. *β* 6 lin.) longa, pubescentia stellata fulva vestita.

Between var. *α* and *β* I can discover no distinctive character but that of size; and in that respect there is considerable difference: the former being a large forest tree; whilst var. *β* might in some instances be termed a mere shrub, and has flowers and fruit a good deal smaller than those of var. *α*.

26. **GIVOTIA**, Griff.

1. **G. rottleriformis**, Griff.; Wight, Ic. t. 1889.—c.p. 1139.

HAB. Hot drier parts of the island, not common.

FLOR. MASC. *Stamina* sæpiissime 15, basi coalita, 5 externa breviora.

27. SARCOCLINIUM, Wight.

1. *S. longifolium*, Wight. Ic. t. 1887, 1888.—C.P. 596.

HAB. Central Province, at an elevation of 4000 to 6000 feet. Nom. vulg. "Bairoo-gass."

The leaves of this plant, as they are of a firm consistence and do not rapidly decompose, are used by the Cinghalese for thatching.

2. *S. Hookeri*, Thw.; *foliis* magnis, glabris, nitidis, cuneato-lanceolatis, brevi-acuminatis, serrulatis, penniveniis, brevi-petiolatis; *stipulis* magnis, a basi lata lanceolatis, acutis. FLOR. FEM. *Racemis* foliis sub-æquilongis, pendulis, glabris; *pedicellis* solitariis, infra medium articulatis; *sepalis* triangularibus, discum annularem magnum vix excedentibus.—C.P. 3429.

HAB. Near Eknalagodde, in the Ratnapoora District, at no great elevation. Nom. vulg. "Maha-bairoo-gass."

Arbor mediocris. *Folia* 2-3-pedalia, 5-7 poll. lata, *venis* primariis una ab altera 7-8 lin. distantibus, parallelis. *Stipulæ* 1½-2½ poll. longæ, striatæ, fuscæ. FLOR. FEM. apetalis (vel forsân petalis cito deciduis). *Pedicelli* 5-6 lin. longi. *Ovarium* obtuse trigonum, minute tomentosum. *Stylus* brevis, crassus, a medio 3-partitus; *segmentis* interne stigmatosis, apice emarginatis. *Capsulæ* cocci rotundati. *Semina* spherica, semipollicaria. *Embryo* in medio albuminis copiosi; *cotyledonibus* planis, orbicularibus, *radicula* cylindrica iisdem subæquilonga. *Flor. masc.* nondum vidi.

28. AGROSTISTACHYS, Dalz.

Hook. Journ. of Bot. ii. (1850) p. 41. Baillon, Étude des Euph. p. 310.

1. *A. Indica*, Dalz. l. c.—C.P. 2156.

HAB. Central Province, at an elevation of 1000 to 2000 feet.

FLOR. MASC. *Petala* 6-8, alba. *Stamina* 8-13, basi in tubum brevem, pistilli rudimentum cingentem coalita.

TRIB. BIOVULATÆ.

Sect. 5. BRIEDELIEÆ.—*Perianthii* biserialis verticillo inferiore petalino.

Calycis segmentis valvatis.

29. BRIEDELIA, Willd.

1. *B. retusa*, Spr.—*B. spinosa*, Willd. Sp. Pl. iv. p. 979. *Cluytia retusa*, Linn.; Willd. l. c. p. 883. *C. spinosa*, Roxb. Cor. Pl. ii. p. 38, t. 172; Rheed. Hort. Mal. ii. t. 16.—C.P. 2161.

HAB. Common up to an elevation of 2000 feet. Nom. vulg. "Kat-takaala-gass."

Folia acuta vel obtusa, in arboribus vetustioribus retusa.

2. *B. Moonii*, Thw.; arborea; *foliis* majusculis, oblongis, parum acutis, obtusis vel retusis, minute venosis, subtus villosulis; *florum glomerulis* axillaribus; *fructibus* ovoideis, parum acutis.—*Cluytia retusa*, Moon's Cat. p. 71 (non Linn.).—C.P. 3475.

HAB. Equally common with the preceding, up to an elevation of 2000 feet. *Nom. vulg.* "Patksala-gass."

The Cinghalese consider this quite distinct from the preceding, which it however very closely resembles, differing in its somewhat larger leaves, axillary, not spiked inflorescence, and ovoid fruit. They are probably mere varieties of one species. The timber of both is useful for building purposes.

30. *AMANOEA*, Aubl.

1. *A. patula*, Thw.—*A. Indica*, Wight, Ic. t. 1911. *Cluytia patula*, Roxb. Cor. Pl. vol. ii. p. 37, t. 170; Willd. Sp. Pl. iv. p. 884.—c.p. 2151, 2164.

HAB. Not uncommon in the hotter parts of the island.

Arbor parva vel mediocris, glabra. *Folia* oblonga vel rotundata, longiuscule acuminata, 2-7 poll. longa. *Flores* pilosuli. *Capsula* estipitata vel stipite brevissimo, parce longiuscule pilosa.

2. *A. pallida*, Thw.; arborea, *partibus junioribus* pallide fulvo-pubescentibus; *foliis* oblongis, lanceolatis, acuminatis, mucronatis, basi acutis; *floribus* glomeratis, axillaribus, externe incano-pubescentibus; *capsula* subsessili, longiuscule pallide fulvo-pilosa.—c.p. 2166.

HAB. Hanguranketty, near Kandy.

Arbor parva. *Folia* 1½-5 poll. longa, *petiolo* 2-3 lin. longo. *Capsula* parum depresso, circiter 3 lin. in diam.

3. *A. ferruginea*, Thw.; arborea, *partibus junioribus* ferrugineo-pilosis; *foliis* subcoriaceis, oblongis, obtuse rostrato-acuminatis, superne glabris, nitidis, subtus opacis, pilosulis, venis venulisque prominentibus; *floribus* axillaribus, glomeratis, ferrugineo-pilosis; *capsula* stipitata, ferrugineo-tomentosa.—c.p. 2407.

HAB. Central Province, up to an elevation of 3000 feet.

Arbor parva. *Folia* 2-5 poll. longa, *petiolo* 2-3 lin. longo. *Capsula* parum depresso, 4 lin. in diam., *stipite* 1 lin. longo.

4. *A. collina*, Baill. Étude des Euph. p. 582.—*Cluytia collina*, Roxb. l. c. t. 169; Willd. l. c. p. 883.—c.p. 2163.

HAB. Colonna Corle, rare. *Nom. vulg.* "Madara-gass."

NANOPETALUM, Hassk., a specimen of which I have received from M. Binnendijk, in habit resembles the present genus, as well as in its valvate calyx and stipitate capsule; but in its exalbuminate seeds it resembles *Actephila*.

** *Calycis segmentis imbricatis.*

31. *ACTEPHILA*, Blume.

Anomospermum, Dalz. An *Savia*, Willd. P

1. *A. Neilgherrensis*, Wight, Ic. t. 1910.—*A. Javanica*, Miq. Fl. Ind. Bat. vol. i. pars altera, p. 356. *Savia Actephila*, Hassk. Cat. Boy. p. 243. An *Anomospermum excelsum*, Dalz. in Hook. Journ. of Bot. iii. (1831) p. 228 P.—c.p. 2532, 3430, 3431.

HAB. Not very uncommon in the central and southern parts of the island, up to an elevation of 2000 feet.

Arbor parva. *Folia* ovato-vel elongato-lanceolata, plus minus acuminata, basi cuneata, 2-8 poll. longa, 1½-3½ poll. lata, *petiolo* ½-1½ poll. longo. *Pedicelli* longitudine valde varii.

An extremely variable plant, and the different forms so merge into one another,

that I find it impossible to separate them into distinct varieties. In the ripe seeds I can discover no trace of albumen surrounding the embryo.

Sect. 6. PHYLLANTHÆ.—*Flores apetalæ; perianthio biseriali vel sub-biseriali; fructûs loculis dispermis.*

32. PROSORUS, Dalz., Thw.

Cicca (Sect. *Prosor*), Baill. *Zygospermum*, Thw. MSS. olim, Baill.

1. **P. Indica**, Dalz. in Hook. Journ. of Bot. iv. (1852) p. 346; Thw. ibid. vol. vi. (1854) p. 298, t. 10 C, figs. 3, 4, 5, 6; et vol. viii. (1856) p. 272.—C.P. 2155, 3099.

HAB. Not uncommon up to an elevation of 2000 feet. Nom. vulg. "Carron-gass."

FLOR. MASC. numerosissimi, $1\frac{1}{2}$ lin. lati. *Discus* convexus, gibbus, rugulosus. *Pedicell*i 3–4 lin. longi. FLOR. FEM. terni. *Pedicell*i 4–5 lin. longi.

2. **P. cyanosperma**, Thw.—*P. Gartneri*, Thw. l. c. viii. p. 272, et vol. vi. t. 10 C, figs. 1, 2, 7, 8, 9, 10. *Croton*? *cyanospermum*, Gärtn. De Fruct. vol. ii. p. 120, t. 107. *Zygospermum zeylanicum*, Thw. MSS. olim; Baill. Étud. des Euph. p. 620.—C.P. 2601.

HAB. Ambagamowa and Ratnapoora Districts, up to an elevation of 1000 feet. Nom. vulg. "Sooddoo-leyang-gass."

FLOR. MASC. numerosi, 3 lin. lati. *Discus* concavus, lævis, cum calycis tubo adnatus. *Pedicell*i 4–5 lin. longi. FLOR. FEM. solitarii. *Pedicell*i 5–8 lin. longi.

This and the preceding are entirely bare of leaves just before flowering. The timber of both is useful for buildings.

33. FLUEGGEA, Willd.

An *Chorisandra*, Wight, Ic. t. 1994²

1. **F. leucopyrus**, Willd. Sp. Pl. iv. p. 757; Wight, Ic. t. 1875.—C.P. 2154.

HAB. Very abundant in the hot, drier parts of the island. Nom. vulg. "Katoo-pilla."

In my specimens the ovary is 3-locular, and the style is tripartite, with the apices bifid; in other respects the plant is well represented in Dr. Wight's figure quoted above. Two plants from the continent of India, given me by Dr. Thomson, and named respectively *F. retusa* and *F. virosa*, appear to be very closely allied to the present species, but have comparatively much shorter petioles.

34. PELTANDRA, Wight.

(Icones, tt. 1891, 1892.)

1. **P. flexuosa**, Thw.; suffruticosa, glabra; ramis parum angulatis, striatis, flexuosis; foliis teneris, membranaceis, integris, ovatis, utrinque plus minus acutis, longiuscule petiolatis.—C.P. 3571.

HAB. Minnery, not common.

Humilis, parce ramosa. *Folia* ejusdem stirpis magnitudine valde varia, glaucoviridia, superne secus costam venas primariasque albo-areolata, petiolo 1–8 lin. longo. *Inflorescentia* monoica, *rachi* brevissima, bracteata; *bracteis* lanceolatis, acuminatis. *Sepala* rotundata, membranacea. FLOR. MASC. numerosi, singulatim evoluti. *Pedicell*i circiter 2 lin. longi. FLOR. FEM. sæpius solitarii ad basin racheos. *Pedicell*i circiter 7 lin. longi. *Stylus* tripartitus, lobis profunde bifidis, capitellatis.

35. **KIRGANELIA**, Juss., Baill.Sect. *ovario 4- vel pluri-loculari*.—*Anisonema*, A. Juss.

1. **K. multiflora**, Baill. Étud. des Euph. p. 614.—*Anisonema multiflora*, Wight, Ic. t. 1899. *Phyllanthus multiflorus*, Willd. Sp. Pl. iv. p. 581; Roxb. Fl. Ind. iii. p. 664. *P. pentandra*, Herb. Roxb. *P. puberula*, Miq. *Rhamnus Zeylanicus*, etc., Burm. Thes. Zeyl. p. 198, t. 88.—c.p. 2142.

Var. β ; *glabra*.—*P. scandens*, Herb. Roxb.—c.p. 327, 2947.

HAB. Hot, drier parts of the island, especially towards the north, very abundant. Nom. vulg. "Wel-kyla."

36. **PHYLLANTHUS**, Linn.

1. **P. Niruri**, Linn. (Roxb. Fl. Ind. iii. p. 659, cum syn.)—c.p. 2138.

Var. β ; *sepalis 5*.—Wight, Ic. t. 1894.—c.p. 2136.

HAB. A very abundant weed in gardens, etc. Var. β . Hot, drier parts of the island. Nom. vulg. "Pittawaaka."

2. **P. Urinaria**, Linn. (Roxb. l. c. p. 660, cum syn.)—*P. leprocarpus*, Wight, Ic. t. 1895-4.—c.p. 2137.

HAB. Equally common with the preceding. Nom. vulg. "Rat-pit-tawaaka."

3. **P. rotundifolius**, Klein. (Willd. Sp. Pl. iv. p. 584).—c.p. 2134.

HAB. Batticaloa, Gardner.

4. **P. Maderaspatensis**, Linn. (Willd. l. c. p. 575).—*P. obcordatus*, Roxb. l. c. p. 656.—c.p. 2133.

HAB. Hot, drier parts of the island, common.

5. **P. polyphyllus**, Willd. l. c. p. 586; Wight, Ic. t. 1895-2.—c.p. 2140, 2502 (2564).

HAB. A very common shrub or small tree in the northern parts of the island.

Sect. 2. *Emblica*, Gärtn.

6. **P. Emblica**, Linn. (Willd. l. c. p. 586, cum syn.; Roxb. l. c. p. 871).—*Emblica officinalis*, Gärtn.; Wight, Ic. t. 1896.—c.p. 2144.

HAB. Common on exposed grassy places, up to an elevation of 4000 feet. Nom. vulg. "Nelli-gass."

The fruit of this tree is much esteemed as a medicine by the Cinghalese. The timber is used for buildings.

Sect. 3. *Macraea*, Wight.

7. **P. simplex**, Willd. l. c. p. 573; Roxb. l. c. p. 654.—An *Macraea oblongifolia*, Wight, Ic. t. 1902-1?—c.p. 2139.

HAB. Common in the warmer parts of the island.

8. **P. Gardneri**, Wight, Ic. t. 1902-3.—*P. fruticosa*, Wall. MSS. An *Macraea ovalifolia*, Wight, Ic. t. 1902-4?—c.p. 5 (54, 296, 501).

Var. β . *pubescens*; tota planta plus minus pilosa.—c.p. 178.

HAB. Central Province, at an elevation of 8000 to 6000 feet.

Differs from the preceding, which it closely resembles in habit, in the firmer tex-

ture of its leaves; larger, more cordate and acuminate stipules, and larger calyx. In both, the capsule, when fresh, is slightly tuberculated. I suspect they will prove to be but forms of one species.

9. *P. myrtifolius*, Wight, Ic. t. 1902-2.—C.P. 650.

HAB. Banks of rivers, up to an elevation of 1500 feet.

Frutex majusculus, valde ramosus. *Folia* basi angustata, subauriculata. *Flores*, cum pedicellis, rufescentes.

A very distinct and elegant species, and becoming under cultivation a compact and extremely ornamental shrub.

10. *P. flaccidus*, Thw.; annua, erecta, plus minus ramosa, glabra; ramis striatis, parum angulatis; foliis teneris, ovatis, subacutis, mucronatis; stipulis anguste lanceolatis, petiolo longioribus; FLO. MASC. 2-3-nis, brevi-pedicellatis; FLO. FÆM. majoribus, in axillis versus apicem ramorum solitariis; pedicellis triangularibus, superne inornatis, calyce subæquilongis.—C.P. 320 (510, 2147).

HAB. Central Province, at an elevation of 4000 to 7000 feet.

$\frac{1}{2}$ -3-pedalis. *Folia* $\frac{1}{2}$ -1 $\frac{1}{2}$ poll. longa, petiolo $\frac{1}{2}$ -1 lin. longo. *Sepala* ovato-oblonga, subacuta. FLO. MASC. glandula rotundata, tuberculata. FLO. FÆM. discus margine minutissime crenulatus. Stylus 3-partitus, apicibus bifidis, divergentibus.

37. EPISTYLIUM, Sw., Baill.

Sect. flor. fœm. 6-sepalis.—*Reidia*, Wight, Miq. *Eriococcus*, Hassk.

1. *E. floribundum*.—*Reidia floribunda*, Wight, Ic. t. 1903. *Phyllanthus longiflorus*, Heyne.—C.P. 71, 2531.

HAB. Central Province, at an elevation of 3000 to 5000 feet.

2. *E. montanum*, Thw.; glabrum; foliis ellipticis vel oblongis, abrupte brevissime acuminatis, basi inæqualibus, brevi-petiolatis; pedicellis folio longioribus; sepalis ovatis, fimbriatis; FLO. FÆM. disco obscure 6-lobo, sublævi; capsula glabra.—C.P. 2148.

HAB. Horton Plains, at an elevation of 7000 feet.

3-4-pedale. *Folia* 2 $\frac{1}{2}$ -7 lin. longa, 1 $\frac{1}{4}$ -4 lin. lata. Flor. masc. 1-3-ni; fœm. solitarii.

Allied to the preceding, which it much resembles, but distinguished from it by the absence of pubescence; smaller leaves; fimbriated sepals; and the nearly entire and smooth disk of the female flowers.

3. *E. latifolium*.—*Reidia latifolia*, Wight, Ic. t. 1904-2.—C.P. 2145.

HAB. Central Province, at an elevation of 2000 to 4000 feet.

2-3-pedale. *Folia* firma, subtus areolata, costa venisque dilatatis. Flor. fœm. ad apices ramorum racemosi.

4. *E. polyphyllum*.—*Reidia polyphylla*, Wight, Ic. t. 1904-4.—C.P. 432.

HAB. Banks of stream at Leeta-gangoola, near Adam's Peak, at an elevation of 5000 feet.

3-4-pedale. *Sepala* omnia fimbriata. FLO. FÆM. discus subinteger vel obscure 6-lobus.

38. AGYNEIA, Linn.

1. *A. bacciformis*, A. Juss. (Wight, Ic. t. 1893).—*A. phyllanthoides*,

Spr. *Phyllanthus bacciformis*, Linn.; Roxb. Fl. Ind. iii. p. 661.—C.P. 2130.

HAB. Not uncommon near the sea.

39. SAUROPLUS, Blume.

Sauropus et *Ceratogynum*, Wight.

1. *S. Gardneriana*, Wight, Ic. t. 1951-2.—*S. Zeylanica* et *S. Indica*, Wight, Ic. t. 1952; Wall. Cat. n. 7933 *B* et *E*. An *S. albicans*, Blume, Bijdr. p. 596. *Phyllanthus strictus*, Roxb. Fl. Ind. iii. p. 670? —C.P. 2146.

HAB. Central Province, not uncommon up to an elevation of 4000 feet.

I suspect that this will prove to be but a form of Blume's plant, which appears to differ from the present principally in having firmer leaves, with more prominent veins, judging from a specimen I have from M. Binnendijk.

2. *S. retroversa*, Wight, Ic. t. 1951-1.—C.P. 3134.

HAB. Oodoopussalawa, in the Central Province, at an elevation of about 4000 feet.

Frutex erectus, glaber. *Folia* 1-2½ poll. longa, ½-1½ poll. lata, a basi lata vel saepe parum cordata gradatim acuminata, *petiolo* 1-1½ lin. longo. FLOR. MASC. pallide virides, flavescentes, margine inferiore *perianthii* duplicati, pileiformis, circiter 12-dentata. FLOR. FÆM. *perianthium* 3-4 lin. in exp., lobis horizontalibus, rotundatis, 3 ext. minoribus, subacutis. *Capsula* albida, pyriformis, pollicaris.

3. *S. assimilis*, Thw.; fruticosa, glabra; *ramis* parum angulatis; *foliis* membranaceis, teneris, ovato-lanceolatis, acuminatis, basi plus minus acutis; FLOR. MASC. lobis *perianthii* duplicati, æqualibus, anguste cylindricis, obtusis, curvatis, suberectis.—C.P. 2855.

HAB. Allagalla, in the Central Province, at an elevation of 3000 feet.

Folia 1½-3 poll. longa, *petiolo* 1½ lin. longo. FLOR. MASC. pallide virides, flavescentes, lobis *perianthii* 2 lin. longis. *Antheræ* subsessiles. *Flor. fæm.* nondum vidi.

This in general appearance closely resembles *S. Gardneriana*, but the flowers are more like those of *Ceratogynum rhamnoides*, Wight, Ic. t. 1900, from which latter species, however, it would seem to be sufficiently distinguished by its much larger and differently shaped leaves, and the obtuse, cylindrical, narrower lobes of the perianth.

4. *S. rigida*, Thw.; fruticosa, erecta, glabra, rigida, ramosa; *ramis* angulatis; *foliis* ovalibus vel rotundatis, brevi-petiolatis; *floribus* paucis, axillaribus, brevi-pedicellatis; MASC. lobis *perianthii* duplicati horizontalibus, triangularibus, margine exteriori retusa vel parce sinuata; FÆM. *sepalis* obovoideis, obtusis, apiculatis; *ovario* apice concavo, *stigmata* bifida erecta includente.—C.P. 2135.

HAB. Hot, drier parts of the island, not very common.

1-2-petalis. *Folia* 3-7 lin. longa, 1½-5 lin. lata, superne nigro-viridia, medio albo-notata, subtus pallida. *Flores* pallide virides, flavescentes; MASC. 1 lin., FÆM. 3-4 lin. in exp. *Capsula* ovoidea, 5 lin. longa.

The ovary of this species bears a very considerable resemblance to that of *Agynia bacciformis*. *Phyllanthus rhamnoides*, Roxb. (non Willd.), would appear, from the description, to be nearly allied to this; but the long-pedicelled male flowers of that plant are sufficient to prove it distinct.

40. MELANTHESA, Blume.

1. *M. rhamnoides*, Blume, Bijdr. p. 591 (non *Phyllanthus rhamnoides*, Willd. vel Roxb.); Wight, Ic. t. 1898-1.—*Phyllanthus Vitis-Idæa*, Kœn.; Roxb. Fl. Ind. iii. p. 665 (haud *Rhamnus Vitis-Idæa*, Burm. Fl. Ind. p. 61).—*P. cinerascens*, Wall. An *Melanthesa virgata* et *M. racemosa*, Bl. l. c. ?—C.P. 2141.

HAB. Very abundant up to an elevation of 3000 feet. Nom. vulg. "Gass-kyla."

Specimens from the Java Botanic Garden, named respectively *Melanthesa virgata* and *M. racemosa*, Blume, appear to me to differ in no essential respect from the present plant, but they are not in a sufficiently perfect state to enable me to determine satisfactorily.

2. *M. turbinata*, Wight, Ic. t. 1897.—*M. obliqua*, Wight, Ic. t. 1898-2. *Phyllanthus turbinatus*, Kœn.; Roxb. l. c. p. 666. *P. patens*, Roxb. l. c. p. 667. *P. rhamnoides*, Herb. Heyne. *P. glaucifolia*, Wall. Cat. n. 7911 B, E.—C.P. 2143.

HAB. Common up to an elevation of 3000 feet. Nom. vulg. "Walmooroonga."

41. GLOCHIDION, Forst., Blume.

Bradlea, Gært. Gynoon, A. Juss.

(Nom. vulg. "Hoonoo-kirilla-gass.")

1. *G. Zeylanicum*, Thw.—*Bradlea Zeylanica*, Gært. De Fr. ii. p. 12, t. 109. *B. obliqua*, Wall.

Var. α ; tota planta glabra; FLOR. FEM. *stilo* brevi, crassiusculo.—C.P. 2149.

Var. β ; *ramulis, petiolis, foliis* subtus inflorescentiaque brevi-tomentosis; FLOR. FEM. *stilo* subnullo.—"Falconer, n. 845, Amherst," in Hort. Calc.—C.P. 3432.—An species distincta?

HAB. Central and southern parts of the island, up to an elevation of 2000 feet.

Arbor parva. Folia firma, oblonga, acuminata, basi rotundata, obliqua, 3-6 poll. longa, circiter 2 poll. lata, *petiolo* 2 lin. longo. *Flores* umbellati. *Pedunculi* solitarii, axillares vel supra-axillares, *petiolo* 2-3-plo longiores. *Sepala* rotundata, subacuta. FLOR. MASC. *Anthera* 5-6. FLOR. FEM. *Ovarium* 5-6-loculare. *Capsula* oblato-sphærica, semipollicaris.

2. *G. coriaceum*, Thw.; glabrum; *foliis* majusculis, coriaceis, ovatis vel oblongis, obtuse acuminatis, mucronatis, basi obliquis, abrupte in *petiolum* angustatis; *sepalis* flaccidis, rotundatis vel late oblongis, subacutis; FLOR. MASC. *antheris* 3; FLOR. FEM. sessilibus vel subsessilibus; *stilo* crasso, brevi, oblongo vel suborbiculari, apice 3-fido; *capsula* subsphærica, depressa, parum triloba.—C.P. 3016, 342, 2529.

HAB. Central Province, at an elevation of 3000 to 4000 feet.

Arbor parva. Folia 2-6 poll. longa, 1-2½ poll. lata, *petiolo* circiter 3 lin. longo. FLOR. MASC. *Pedicelli* 3-4 lin. longi. FLOR. FEM. *Capsula* 4-5 lin. in diam.

An extremely variable species.

3. *G. Jussieuianum*.—*Gynoon Jussieuianum*, Wight, Ic. t. 1908. *G. triandrum*, W. et A. P., Wight, l. c.—C.P. 2561 (? 2560).

HAB. Central Province, up to an elevation of 4000 feet.

I have received this species from Java, so that it would appear to be widely dis-

tributed. C.P. 2560 I believe to be an abnormal state of the present plant, in which the sepals have cohered into a tridentate tubular perianth.

4. *G. Moonii*, Thw.—*Gynoon hirsutum*, Wight, Ic. t. 1909 (haud *Bradleya hirsuta*, Roxb.). *Phyllanthus pubescens*, Moon's Cat. p. 65.—C.P. 68, 258, 2150.

HAB. Very common up to an elevation of 4000 feet.

Frutex vel arbor parva, ramulis hirsutis vel tomentosis. Folia ovato-vel oblongo-lanceolata, acuminata, plus minus tomentosa vel aliquando subglabra, 2-8 poll. longa, 1-3 poll. lata, basi parum acuta, brevi-petiolata. Inflorescentia hirsuta. Sepala lineari-oblonga. FLOR. FÆM. sessiles vel subsessiles. Stylus plus minus elongatus clavatusque, pilosus, apice trifidus. Capsula pilosa.

5. *G. montanum*, Thw.; arborea; *ramulis parum angulatis et cum petiolis inflorescentiaque tomentosis; foliis ovato-vel oblongo-lanceolatis, obtusis, mucronatis, plus minus tomentosis vel subglabris, basi obliquis, rotundatis vel rarius parum acutis; sepalis oblongis; FLOR. FÆM. sessilibus; stylo cylindrico vel parum clavato, dense piloso vel subglabro, apice trifido; capsula glabra, depressa, triloba.*—C.P. 3133.

HAB. Oova, in the Central Province, at an elevation of 4000 to 6000 feet.

15-20-pedalis. *Folia 1½-3 poll. longa, ½-1½ poll. lata, petiolo 1½ lin. longo.*

Closely allied to the preceding species, from which it differs in its more arboreous habit, smaller, less acuminate leaves, and glabrous capsules.

6. *G. Gardneri*, Thw.; arborea; *ramulis glabris; foliis glabris, acuminatis, mucronatis, basi obliquis, in petiolum brevem angustatis; inflorescentia plus minus pilosa; sepalis oblongis; FLOR. FÆM. sessilibus; stylo glabro, elongato, clavato, apice trifido; capsula glabra, depressa, triloba.*—C.P. 3156.

Var. *α*; *foliis ovatis, abrupte brevique acuminatis.*

Var. *β*; *foliis oblongis, longiuscule acuminatis; inflorescentia minus pilosa.*

HAB. Var. *α*. Central Province, *Gardner*. Var. *β*. Reigam Corle.

Arbor parva. Folia (var. α) 1½-3 poll. longa, 1-1½ poll. lata; (var. β) 2½-4 poll. longa, ¾-1½ poll. lata.

7. *G. nemorale*, Thw.; arborea; *ramulis, petiolis inflorescentiaque brevi-pilosis; foliis glabris, oblongo-lanceolatis, longiuscule acuminatis, subtus venis prominentibus, basi obliquis, acutis; sepalis oblongis; FLOR. FÆM. fasciculatis, pedicellis petiolo sæpius longioribus; stylo elongato, clavato, glabro; capsula glabra, depressa, triloba.*—C.P. 3015.

HAB. Pasdun Corle, at no great elevation.

Folia 3½-7 poll. longa, 1½-2 poll. lata, petiolo circiter 2 lin. longo.

PHYLLANTHUS STELLATUS, Retz, Willd. Sp. Pl. iv. p. 577, is probably one of the foregoing species of *Glochidion*, but the description is too imperfect for the identification of the plant.

Sect. 7. PIERARDIÆ.—*Flores apetalæ, perianthio biseriali vel sub-biseriali. Ovula bina in loculo sub processu magno cuculliformi placente affixa. Fructus monospermus vel loculis monospermis.*

42. CYCLOSTEMON, Blume.

Sphragidia, Thw.

1. *C. Zeylanicum*, Baill. Étud. des Euphorb. p. 562.—*Sphragidia*

Zeylanica, Thw. in Hook. Journ. Bot. vii. (1855) p. 270, t. 10.—C.P. 2424.

HAB. Central Province, at an elevation of about 3000 feet.

Arbor 30-40-pedalis, *partibus junioribus* parce fugaci-pilosis. *Folia* 5-10 poll. longa, 1½-3 poll. lata, *petiolo* 4-8 lin. longo. *Flores* pallide ochracei. *Sepala* 4-5, rotundata, obtusa, externe cum pedicellis sericeo-pilosa. *Fructus* subpollicaris.

43. HEMICYCLIA, W. et A., Thw.

Astylis, Wight.

1. *H. sepiaria*, W. et A. (Wight, Ic. t. 1872; Thw. in Hook. Journ. of Bot. vii. (1855) p. 271).—C.P. 2120.

HAB. Abundant in the hot, drier parts of the island. Nom. vulg. "Weera-gass."

2. *H. Gardneri*, Thw. l. c.—C.P. 2121.

HAB. With the preceding species, but not so abundant.

Arbor mediocris; *partibus junioribus*, *petiolis inflorescentiaque* pubescentibus. *Folia* lanceolata, crenata, retusa, mucronata, basi obliqua, angustata et subtus secus costam pilis longis stipata, 1-3 poll. longa, ½-1 poll. lata, *petiolo* 1-2 lin. longo. *Flores* pauci, pallide ochracei, 6 lin. in exp. MASC. *Stamina* circiter 24, *discum* medio excavatum cingentibus. *Ovarii rudimentum* nullum. FÆM. *Stylus* brevis. *Stigma* convexum, carnosum. *Drupa* oblonga, 4 lin. longa.

3. *H. lanceolata*, Thw.; arborea; *ramulis*, *petiolis inflorescentiaque* pilosis; *foliis* subglabris, lanceolatis, obtuse acuminatis, mucronatis, basi obliquis, subacutis et subtus secus costam longe pilosis; *floribus* paucis, parvis; *drupa* oblonga, ad apicem obliqua; *putamine* cristato, reticulato.—C.P. 2211.

HAB. Cultura.

Arbor mediocris. *Folia* 1-3 poll. longa, ½-1 poll. lata, *petiolo* 1-2 lin. longo. *Flores* circiter 2 lin. in exp. MASC. *Stamina* circiter 16. FÆM. *Stylus* brevis, in laminam bifidam dilatatus, reflexus. *Drupa* rubra, 6 lin. longa, 3 lin. lata.

44. PALENGA, Thw.

Hook. Journ. of Bot. viii. (1856) p. 270. Baill. Étud. des Euph. p. 649.

1. *P. Zeylanica*, Thw. l. c. p. 271, t. 7 C.—C.P. 3349.

HAB. Ambagamowa District, at an elevation of about 2000 feet. Nom. vulg. "Palenga-gass."

Arbor 40-50-pedalis, glabra, *ramulis* teretibus. *Folia* lanceolata, acuminata, pennivenia, obliqua, nitida, nigro-viridia, subtus sparsim glanduloso-punctata, 3-5 poll. longa, 1-1½ poll. lata, *petiolo* ruguloso, 2 lin. longo. *Stipulae* minutæ. *Flores* albidæ, ½ lin. longi. *Pedicelli* 1 lin. longi. *Fructus* 8 lin. longus, 4 lin. latus, fusco-tomentosus.

45. PUTRANJIVA, Wall.

Nageia, Roxb. (non Gærtn.)

1. *P. Roxburghii*, Wall. Tent. Fl. Nep. p. 61; Cat. n. 6814; Royle, Pl. Him. t. 100; Wight, Ic. t. 1876.—*Nageia Putranjiva*, Roxb. Fl. Ind. iii. p. 767.—C.P. 2122.

HAB. Hot, drier parts of the island.

46. *APOROSA*, Blume, Miq., Baill.*Scepa*, Lindley. *Lepidostachys*, Wall.

(Nom. vulg. "Kabella-gass.")

1. *A. Lindleyana*, Thw.—*Scepa Lindleyana*, Wight, Ic. t. 361.—C.P. 2153.

HAB. Very abundant up to an elevation of 2000 feet.

Arbor mediocris, valda ramosa. FLO. FÆM. *Pedicelli* $\frac{1}{4}$ –1 lin. longi, fructiferi 2 lin. longi. *Ovarium* ampullæforme, fulvo-pilosum, 2- vel 3-loculare. *Stigma* 2-3-partitum, lobis bifidis, tuberculatis vel parum plumosis. *Fructus* subsphæricus, brevi-apiculatus, sessilis, semipollicaris. *Semina* tunica externa carnosâ, flavâ, sapida.Closely allied to and resembling in general appearance *Lepidostachys Roxburghii*, Wall. Cat. No. 6816, but differing from it in its smaller leaves, which are frequently rounded at the base, its pedicellate female flowers, and its fruit being not at all stipitate.2. *A. lanceolata*, Thw.—*Lepidostachys lanceolata*, Tul. in Ann. des Sci. Nat. (Bot.) sér. 3, v. 15, p. 254.—C.P. 2152.

HAB. Equally common with the last.

Arbor parva. FLO. MASC. sæpius diandri, ovarii rudimento minuto, inconspicuo. FLO. FÆM. *Spica* circiter 5-floræ. *Ovarium* ampullæforme, glabrum. *Stigma* breve, sessile, disciforme, 2-lobum, lobis bifidis sæpe denticulatis. *Fructus* subsphæricus, pisi magnitudine. *Semina* tunica externa carnosâ, flavâ, sapida.

The fruit of this, like that of the preceding species, is eaten by children.

3. *A. latifolia*, Thw.; *foliis* subintegris, majusculis, glabris, subcoriaceis, obovatis, obtusis, basi plus minus rotundatis vel subcordatis; *spicis* ferrugineo-tomentosis; *bracteis* rotundatis, ciliatis; FLO. MASC. sæpissime diandris; FLO. FÆM. sessilibus; ovario piloso; *stigmatibus* tripartito, lobis reflexis, apice bifidis; *fructibus* subsphæricis, parum conicis, pericarpio valde carnosâ firmo.—*Agyneia latifolia*, Moon, Cat. p. 65.—C.P. 3433.

HAB. South of the island, at no great elevation.

Arbor mediocris. *Folia* 4–8 poll. longa, 3–5 poll. lata, *venis* primariis utrinque circiter 7; *petiolo* $\frac{1}{4}$ –1 poll. longo. *Fructus* pollicares.4. *A. fusiformis*, Thw.; *foliis* subintegris, coriaceis, glabris, obovatis vel rotundatis, breve obtuseque acuminatis vel retusis, basi acutis vel rotundatis; *spicis* ferrugineo-tomentosis; *bracteis* rotundatis, ciliatis; FLO. MASC. sæpius diandris; FLO. FÆM. confertis; ovario glabro; *stigmatibus* 2-3-partito, lobis revolutis, apice bifidis; *fructibus* fusiformibus, pericarpio parce carnosâ.—*Lepidostachys grandifolia*, Planch. MSS. in Herb. Hook.—C.P. 30.

HAB. Central Province, at an elevation of 4000 to 6000 feet.

Arbor mediocris. *Folia* 2½–5 poll. longa, 1½–3 poll. lata; *venis* primariis utrinque circiter 5; *petiolo* $\frac{1}{4}$ –¾ poll. longo. *Fructus* 6–8 lin. longi, 3–4 lin. lati.The very different form of the much less fleshy fruit of the present species abundantly distinguishes it from *A. latifolia*, to which it bears a very great general resemblance.5. *A. acuminata*, Thw.; *foliis* glabris, integris, membranaceis, ovato- vel oblongo-lanceolatis, acuminatis, basi acutis; *spicis* ochraceo-pilosis, brevibus, sæpius solitariis; FÆM. sæpissime unifloris; ovario ovoideo, piloso, 3-loculari; *stigmatibus* majusculo, 3-partito, lobis apice bifidis; *fructibus* subsphæricis, sessilibus, pericarpio valde carnosâ firmo.—C.P. 2530.

HAB. Ambagamowa District and near Balangodde, at an elevation of 2000 to 3000 feet.

Arbor parva, parce ramosa, partibus junioribus pilosis. Folia $1\frac{1}{2}$ –4 poll. longa, $\frac{1}{2}$ –2 poll. lata, *petiolo* 2–4 lin. longo. *Fructus* circiter $\frac{1}{2}$ poll. in diam., viridi-rufescentes, sæpius 3-spermi. *Semina* tunica externa carnosæ, flavo-rubra.

Sect. 4. ANTIDESMEE; *perianthio uniseriali; disco glanduloso maximo genitalia cingente.*—*Sectioni præcedenti valde affinis.*

47. ANTIDESMA, Linn. Burm.

1. **A. paniculatum**, Roxb., Willd. Sp. Pl. iv. p. 764; Roxb. Fl. Ind. iii. p. 770; Tulasne in Ann. des Sci. Nat. (Bot.) sér. 3, vol. xv. p. 228.—*A. pubescens*, Roxb. Pl. Cor. ii. t. 167; Willd. l. c. p. 763; Roxb. Fl. Ind. iii. p. 770 (non Tulasne); Wight, Ic. tt. 820, 821.—c. p. 773.

HAB. Common up to an elevation of 2000 feet. Nom. vulg. “Boo-ambilla-gass.”

2. **A. Bunius**, Spr., Syst. Veg. i. p. 826; Wight, Ic. t. 819; Tul. l. c. p. 186.—*A. Alexiteria*, Linn. (partim). *A. comptum*, Tul. l. c. p. 190. *A. floribundum*, Tul. l. c. p. 189. *Stilago Bunius*, Linn.; Roxb. Fl. Ind. iii. p. 758; Rheed. Hort. Mal. iv. t. 56.—c. p. 660 (766).

Var. β ; *foliis* firmioribus; *inflorescentia* delicatior et minus pubescente.—An *A. glabrum*, Tul. l. c. p. 188?—c. p. 2922.

HAB. Common up to an elevation of 3000 feet. Var. β ; Caltura. Nom. vulg. “Carawilla-cabilla-gass.”

3. **A. lanceolarium**, Wight, Ic. t. 776.—*A. lanceolatum*, Tul. l. c. p. 195. *Stilago lanceolaria*, Roxb. l. c. p. 760.—c. p. 2602.

HAB. Ambagamowa, Ratnapoora, and Galle Districts, up to an elevation of 1500 feet.

A very variable plant as regards the size and shape of the leaves. I have a small form from the Singe Rajah forest, in which the leaves are linear-lanceolate, and some of them not more than 2 lines wide, but there is a gradual transition to the ordinary form of the plant.

4. **A. Zeylanicum**, Lam. Encyc. Bot. i. p. 207; Spr. Syst. Veg. i. p. 826; Tul. l. c. p. 209.—*A. Alexiteria*, Linn. (partim); Burm. Thes. Zeyl. p. 22, t. 10. (An *A. sylvestris*, Lam. l. c.; Spr. l. c.; Rheed. l. c. v. t. 26?)—c. p. 2210.

HAB. Common in the hotter parts of the island. Nom. vulg. “Heen-ambilla-gass.”

5. **A. montanum**, Thw.; arboreum; *ramulis, petiolis, inflorescentia-que* cinereo-tomentellis; *foliis* integris, subglabris, ovatis vel oblongis, obtuse rostrato-acuminatis, superne ad costam canaliculatis, basi acutis; *racemis* paniculatis vel simplicibus, axillaribus terminalibusque; *bracteis* brevibus, latis, acutis; *floribus* sæpius 5-meris; *calyce* cupuliformi, *lobis* brevibus, rotundatis vel parum acutis.—c. p. 2208.

HAB. Central Province, at an elevation of 3000 to 6000 feet.

Arbor mediocris, ramosa. *Folia* 2–4 poll. longa, $\frac{1}{2}$ –2 poll. lata, *petiolo* 2–5 lin. longo. *Pedicelli* calyce subæquilongi. FL. MASC. *Filamenta* in disco sublevi ovarium abortivum mamillæforme cingente inserta. FL. FEM. *Fructus* subsphærici, parum compressi, pisi magnitudine, purpurei

Closely allied to the preceding species, from which it differs in its larger leaves, canaliculate above, longer petioles, and pedicellate pentamerous flowers.

*Euphorbiaceis affines.*48. **DAPHNIPHYLLUM**, Blume, Baill.*Goughia*, Wight. '*Gyandra*, Wall.

1. **D. Neilgherrense**, Thw.—*Goughia Neilgherrensis*, Wight, Ic. tt. 1878, 1879.—C.P. 491.

HAB. Central Province, at an elevation of 4000 to 6000 feet.

49. **SARCOCOCCA**, Lindl.

1. **S. pruniformis**, Lindl. Bot. Reg. xii. t. 1012.—*S. trinervia*, Wight, Ic. t. 1877.—C.P. 203.

HAB. Central Province, very abundant at an elevation of 5000 to 8000 feet.

Extremely variable in the shape of the leaves, which differ from nearly orbicular to narrow-lanceolate acuminate.

50. **PYRENACANTHA**, Hook.

1. **P. volubilis**, Hook. Bot. Misc. ii. p. 108, tt. 9, 10.—C.P. 1024.

HAB. Hotter parts of the island.

CXXXV. **CALLITRICHACEÆ.**1. **CALLITRICHE**, Linn.

1. **C. verna**, Linn.—*C. Wightiana*, Wall.; Wight, Ic. t. 1947.—C.P. 303, 3636.

HAB. Not uncommon in wet places, at Matturatto, Horton Plains, and other of the more elevated parts of the island.

CXXXVI. **CERATOPHYLLACEÆ.**1. **CERATOPHYLLUM**, Linn.

1. **C. verticillatum**, Roxb. Fl. Ind. iii. p. 624.—*C. muricatum*, Cham. *C. tuberculatum*, Cham., et *C. Missionis*, Wall.; Wight, Ic. t. 1948.—C.P. 2311.

HAB. Hotter parts of the island.

There can be no doubt, I think, that Dr. Wight is correct in supposing that the three forms, figured by him in plate 1948 of the 'Icones,' are merely varieties of Roxburgh's plant.

CXXXVII. **NEPENTHACEÆ.**1. **NEPENTHES**, Linn.

1. **N. distillatoria**, Linn. (Burm. Thes. Zeyl. p. 42, t. 17, cum syn.)—C.P. 262.

HAB. Very common in the south of the island, at no great elevation. **Nom. vulg.** "Bādoorā-wel."

The long tough stems are used for tying fences, and for other purposes, by the Cinghalese.

CXXXVIII. ARISTOLOCHIACEÆ.

1. ARISTOLOCHIA, Tourn.

1. **A. bracteata**, Retz, (Willd. Sp. Pl. iv. p. 160; Roxb. Fl. Ind. iii. p. 490)—C.P. 2256.

HAB. North of the island, *Gardner*.

2. **A. Indica**, Linn.; Roxb. l. c. p. 489.—*A. lanceolata*, Wight, Ic. t. 1858.—C.P. 2258.

HAB. Very abundant up to an elevation of 3000 feet.

Most variable in the size and shape of its leaves, and these, in some of my specimens of what I take to be the present species, seem to make an approach in form to those of *A. acuminata*, Lamk.

2. BRAGANTIA, Lour.

1. **B. Wallichii**, R. Br. in Wall. Cat. n. 7415; Wight, Ic. t. 520.—*B. siliquosa*, Miq. *Trimeriza piperina*, Lind. in Bot. Reg. xviii. sub tab. 1543.—C.P. 2257, 3457, 3533.

HAB. Shady woods, up to an elevation of 4000 feet.

Varies very much in the amount of pubescence, in the size and shape of its leaves, which are sometimes somewhat obovate, and in the length of the seed-vessel.

3. TRICHOPodium, Lindl., Endl.

Trichopus, Gärtn.

Flores hermaphroditi. *Perianthii lobi* 6, biseriales, persistentes. *Stamina* 6, libera, subsessilia, lobis perianthii opposita; *antheræ* loculis parum distantibus, parallelis, introrsis; *connectivo* in processum lanciformem terminalem anthera longiorem producto. *Ovarium* 3-loculare; *loculis* 2-ovulatis; *ovulis* pendulis superpositis. *Stylus* brevissimus. *Stigmata* 3, brevia, apicibus reflexis, bifidis.—*Herba* glabra, subcaulis; foliis numerosis, petiolatis, forma valde variis; stipulis lanceolatis, acutis, persistentibus; petiolis in medio longitudinis florigeris; floribus fasciculatis, longiuscule pedicellatis; bracteis lanceolatis, acutis.

1. **T. Zeylanicum**, Thw.—*T. cordatum*, *T. intermedium*, et *T. angustifolium*, Lindl. in Bot. Reg. xviii. sub tab. 1543. *Trichopus Zeylanicus*, Gärtner, De Fruct. p. 44, t. 14.—C.P. 467.

HAB. Common on the sandy margins of streams, at no great elevation. **Nom. vulg.** "Bin-tal."

Folia triangularia, lanceolata vel lineari-lanceolata, tri- vel tripli-nervia, 2-8 poll. longa, petiolo 1-8 poll. longo. *Flores* circiter 1 lin. longi, nigro-brunnei, lobis perianthii lanceolatis acutis. *Fructus* 6-7 lin. longi; *pedicello* longo, tenui, apicem versus incrassato.

CXXXIX. PIPERACEÆ.

1. *PEPEROMIA*, Ruiz and Pav.

1. *P. reflexa*, A. Dietr. (Miq. Fl. Ind. Bat. vol. i., pars altera, p. 436, cum syn.; Wight, Ic. t. 1923-1.)—c.p. 2462.

HAB. Common in the Central Province, up to an elevation of 6000 feet.

2. *P. Heyneana*, Miq. (Wight, Ic. t. 1922-1.)—An *P. Dindygulensis*, Miq. Syst. p. 112; Illust. Piper. p. 19, t. 13; Wight, Ic. t. 1921?—c.p. 2956.

HAB. Not uncommon in the Central and Southern Provinces.

Varies greatly in the amount of pubescence and in the shape and size of the leaves.

3. *P. Courtallensis*, Miq. in Hook. Lond. Journ. Bot. v. p. 549; Wight, Ic. t. 1923-2.—An *P. portulacoides*, A. Dietr.; Wight, Ic. t. 1922-2? An *P. Zeylanica*, Miq. l. c. p. 550?—c.p. 2173.

Var. β ; *foliis majoribus acutioribusque, sæpius alternis*.—c.p. 2172. An species distincta?

HAB. Central Province, at an elevation of 3000 to 5000 feet.

2. *POTHOMORPHE*, Miq.

1. *P. subpeltata*, Miq. (Wight, Ic. t. 1925.)—c.p. 2714.

HAB. Common in damp shady places, up to an elevation of 4000 feet. Nom. vulg. "Mala-laboo."

3. *CHAVICA*, Miq.

1. *C. Roxburghii*, Miq. Syst. Piper. p. 239; Illust. Piper. p. 33, t. 30; Wight, Ic. t. 1928.—*Piper longum*, Linn.—c.p. 2953.

HAB. Hotter parts of the island, not very common; also in native gardens. Nom. vulg. "Tippih."

2. *C. Siriboa*, Miq. Fl. Ind. Bat. vol. i., pars altera, p. 438, cum syn.—*Piper Siriboa*, Linn.—c.p. 3690.

HAB. Cultivated in native gardens as a masticatory, and considered not indigenous. Nom. vulg. "Rata-boolat-wel," "Siribo."

A species (c.p. 3691), called by the Cinghalese "Serwiya-wel," evidently very closely allied to the present, if not, as I suspect, a mere form of it, occurs upon large trees and on rocks, near the banks of rivers and streams, in the Central Province; but I have not yet been so fortunate as to meet with specimens in flower. The leaves are rather firmer in texture and less suddenly acuminate than in the cultivated *C. Siriboa*, but in other respects are very similar in character to those of the latter.

3. *C. Betle*, Miq. l. c. p. 439, cum syn.; Wight, Ic. t. 1926.—*Piper Betle*, Linn.—c.p. 3692.

HAB. Cultivated very generally, as a masticatory, in native gardens in the warmer parts of the island, but not truly wild. Nom. vulg. "Boolat-wel."

4. *PIPER*, Linn.

1. *P. nigrum*, Linn. (Miq. Illust. Piper. p. 50, t. 50; Wight, Ic. t. 1934.)—c.p. 2176.

HAB. Ambagamowa District; also extensively cultivated in native gardens. Nom. vulg. "Gam-mirris-wel."

2. *P. trineuron*, Miq. in Hook. Lond. Journ. of Bot. v. p. 555; Walp. Ann. i. p. 601.—c.p. 2175.

HAB. Central Province, at an elevation of 4000 to 7000 feet.

A very distinct species, characterized by its narrow very coriaceous leaves, closely adnate bracts, and somewhat distant flowers. The fruit is slightly oblong, 3 lines in diameter.

3. *P. sylvestre*, Lam. (Wight, Ic. t. 1937.)—An *P. hymenophyllum*, Miq. l. c. p. 554; Wight, Ic. t. 1942?—c.p. 3688.

HAB. On forest trees, up to an elevation of 2000 feet. Nom. vulg. "Mala-mirris-wel," "Wal-merris-wel," "Wal-gam-mirris-wel."

4. *P. argyrophyllum*, Miq. (Illust. Piper. p. 55. t. 56; Wight, Ic. t. 1941.)—An *P. Walkeri*, Miq. in Hook. Lond. Journ. of Bot. iv. p. 436; Walp. Ann. iii. p. 344?—c.p. 3625.

HAB. Central Province.

Closely allied to the preceding, from which it seems to differ but little, except in the texture and colour of the foliage and in its more oblong fruit.

5. *P. arborescens*, Roxb. (Fl. Ind. i. p. 159; Miq. Fl. Ind. Bat. vol. i., pars altera, p. 452; Illust. Piper. t. 54; Wight, Ic. t. 1940.)—*P. Linkii*, Miq. l. c. p. 53, t. 53. An *P. Zeylanicum*, Miq. in Hook. Journ. of Bot. iv. p. 436?—c.p. 35, 2461.

HAB. Central Province, up to an elevation of 3000 feet.

6. *P. arcuatum*, Blume, Enum. Pl. Jav. i. p. 67; Miq. Illust. Piper. p. 57, t. 48.—c.p. 2177, 2178.

HAB. More elevated parts of the Central Province.

Very nearly allied to the preceding, from which it differs principally in its smaller leaves, shorter spikes of flowers, and the distinctly peltate bracts of its male flowers.

CXL. CHLORANTHACEÆ.

1. CHLORANTHUS, Sw.

1. *C. brachystachys*, Blume, Fl. Jav. p. 13, t. 2; Miq. Fl. Ind. Bat. i. p. 801, cum syn.—*Ascarina serrata*, Bl. Enum. i. p. 80. *Sarcandra chloranthoides*, Gardner in Calc. Journ. of Nat. Hist. vi. p. 348; Walp. Ann. iii. p. 353; Wight, Ic. t. 1946.—c.p. 2207.

HAB. Not uncommon in forests of the Central Province, at an elevation of 3000 to 5000 feet.

OXLI. BALANOPHOREÆ.

1. BALANOPHORA, Forst.

1. *B. Indica*, Wall. Cat. 7247; Weddell in Ann. Sc. Nat. ser. 3, vol. xiv. p. 167, t. 9, fig. 11-22; Hook. f. in Trans. Linn. Soc. vol. xxii. p. 46.—*Langsdorffia Indica*, Arn. in Hook. Ic. Plant. tt. 205, 206, et in Ann. Nat. Hist. ii. p. 36.—c.p. 200.

HAB. Forests in the Central Province, at an elevation of 3000 to 5000 feet.

CXLII. TRIURIDEÆ.

1. SCIAPHILA, Blume, Endl.

† *Perianthio* 6-partito. *Staminibus in flore masc* 3.—*Aphylleia*, Champion.

1. *S. secundiflora*, Thw. MS. (Bentham, in Hook. Journ. of Bot. vii. (1855) p. 10.)—c.p. 2665.

HAB. Forest of Gattehatte, near Sittawake, at no great elevation.

Rhizoma repens, radicans. *Scapi* erecti, 6–14 poll. longi, albido-purpurascens, pauciflori. *Bractea* latæ, acutæ. *Flores* racemosi, monoici. *Pedicelli* secundi, $1\frac{1}{2}$ – $2\frac{1}{2}$ lin. longi. *Perianthi segmenta* longe subulato-acuminata, imberbia, circiter $1\frac{1}{2}$ lin. longa. FLOR. MASC. superiores. *Antheræ* late sessiles, transverse oblongæ, contiguæ, albæ. FLOR. FEM. *Ovaria* parum tuberculata. *Stylus* ovarium vix superans, clavato-penicillatus.

2. *S. erubescens*, Miers in Trans. Linn. Soc. xxi. 48.—*Aphylleia erubescens*, Champion in Calc. Journ. of Nat. Hist. vii. p. 468.—c.p. 2666.

HAB. Narawalla, near Gallé, *Champion*. Ponee, near Colombo, *Mr. W. Ferguson*.

†† *Perianthio* 8-partito. *Staminibus in flore masc* 4.—*Hyalisma*, Champ. Miers.

3. *S. janthina*, Thw.—*Hyalisma janthina*, Champion, l. c. p. 466; Miers, l. c. p. 49 —c.p. 2664.

HAB. Damp forests in the south of the island.

Obs In all the specimens of the genus *Sciaphila* which I have examined, the number of stamens in the male flower is half that of the lobes of the perianth, to each alternate lobe of which a stamen is opposed.

CXLIII. CYCADEÆ.

1. CYCAS, Linn.

1. *C. circinalis*, Linn. Syst. Nat. quoad plant. Malab. et Zeylan. (syn. aliis excl.); Miq. Fl. Ind. Bat. ii. p. 1077, cum syn. (non *C. circinalis*, Roxb.)—*C. spherica*, Roxb.; Roxb. Fl. Ind. iii. p. 747; Todda-Panna, Rheed. Hort. Mal. iii. tt. 13–21.—c.p. 3689.

HAB. In scrubby hilly ground, up to an elevation of 1500 feet. Nom. vulg. “Maddoo-gass.”

The flour obtained from the seeds of this species is made into cakes and eaten by the Cinghalese, and is reputed a remedy for some disorders.

MONOCOTYLEDONES.

CXLIV. ORCHIDACEÆ.

Sect. 1. MALAXEÆ, Lindl.

Subsect. LIPARIDÆ, Lindl.

1. LIPARIS, Rich.

1. *L. atropurpurea*, Lindl. Gen. et Sp. Orch. p. 28.—*L. olivacea*, Wight, Ic. t. 903 (vix Lindl.). *L. Walkeriæ*, Wight, Ic. t. 905 (haud Grah.).—c.p. 3181.

HAB. More elevated parts of the Central Province.

2. *L. Walkeriæ*, Grah. in Bot. Mag. t. 3770 (haud Wight).—c.p. 2376.

HAB. Central Province, up to an elevation of 6000 feet.

Differs from the preceding in its smaller, more numerous flowers, and shorter pedicels; the labellum of the present plant is also more orbicular in outline and with deeper crenatures.

3. *L. Wightiana*, Thw.—*L. atropurpurea*, Wight, Ic. t. 904 (haud Lindl.).—c.p. 3179.

HAB. Central Province, at an elevation of 3000 to 5000 feet.

Folia 2-3, ovata, gradatim acuminate, basi cordata, parce obliqua. *Scapus* 3-12 poll., parum angulatus, pauciflorus. *Bracteæ* acutæ, suberectæ, pedicellis breviores. *Flores* viridi-purpurascens. *Sepala* oblonga, acuta. *Petala* linearia, marginibus revolutis. *Labellum* sepalis longius, planum, orbiculare vel suborbiculare, integrum vel minute retusum, 4 lin. in diam., basi callo lunato ornatum. *Columna* exalata.

4. *L. odorata*, Lindl. l.c. p. 26, cum syn.—*L. elata*, Lindl. l.c. p. 27, cum syn.—c.p. 3180, 3375.

HAB. Central Province, at an elevation of 2000 to 5000 feet.

An extremely proteran plant, varying from 3 to 18 inches or more in height, with leaves from 2 to 5 in number, and ovate or sometimes narrow-lanceolate in form. The size of the flowers also varies, and these are yellow in colour, more or less tinged with purple. There cannot be a doubt, I think, of this being the plant figured by Rheede in Hort. Mal. vol. xii. t. 28; but I have no recollection as to whether the flowers are sweet-scented or otherwise.

5. *L. barbata*, Lindl. l.c.

HAB. Ceylon, *Macrae* (Hb. Lindl.).

I know nothing of this plant.

6. *L. longipes*, Lindl. l.c. p. 30; Wall. Pl. Asiat. Rar. t. 35; Wight, Ic. t. 906.—c.p. 3177.

HAB. Common up to an elevation of 3000 feet.

My specimens have much smaller flowers than those of the plant represented in Wallich's figure. The labellum is twice the length of the column, very much recurved, and of a pale green colour.

7. *L. viridiflora*, Lindl. l.c. p. 31, cum syn.—*L. elliptica*, Wight, Ic. t. 1735.—c.p. 3178.

HAB. Central Province, on rocks and trunks of trees, at an elevation of 3000 to 7000 feet.

Dr. Wight's figure well represents the present plant.

8. **L. angustifolia**, Lindl. l. c.—c.p. 2351.

HAB. Central Province, at an elevation of 2000 to 5000 feet.

Folia 2-4 poll. longa, 2-3 lin. lata, mucronata, in petiolum gradatim angustata. *Flores* minimi. *Capsula* ovata, 1½ lin. longa.

9. **L. gregaria**, Lindl. l. c. p. 33, cum syn.—c.p. 2359.

HAB. Hantani and elsewhere in the Central Province.

Flores sæpe rubro-tincti. *Labellum* basi bicallosum, longitudinaliter canaliculatum, transverse flexuosum, apice subacutum reflexum. *Anthera* 6-angula.

2. OBERONIA, Lindl.

1. **O. forcipata**, Lindl. Fol. Orch. No. 7.—c.p. 2511.

HAB. Hewahette District, on trees.

2. **O. longibracteata**, Lindl. Gen. Sp. Orch. p. 3; Fol. Orch. No. 8.—c.p. 543.

HAB. Common in the Hantani and Hewahette Districts.

Flores pallide rufescentes, *labello* rufo

3. **O. truncata**, Lindl. Fol. Orch. No. 12.

HAB. Hantani, *Champion* (*Herb. Lindl.*).

I am not acquainted with this species.

4. **O. verticillata**, Wight, Ic. t. 1626.

Var. β ; *pubescens*, Lindl. Fol. Orch. No. 14.—c.p. 2516, 2572.

HAB. Kornegalle District.

5. **O. tenuis**, Lindl. l. c. No. 16.—c.p. 2654.

HAB. Hittawaka, on trees: March, 1853.

6. **O. Wightiana**, Lindl. in Bot. Reg. 1839, misc. 9; Fol. Orch. cum syn. No. 25; Wight, Ic. t. 1627.—*O. Arnottiana*, Wight, Ic. t. 1628.—c.p. 2506.

HAB. More elevated parts of the Central Province.

7. **O. Gardneriana**, Thw.; *bracteis* lanceolatis, acuminatis, integris, floribus subæquilongis; *sepalis* ovato-triangularibus, subacutis, integris; *petalis* oblongis, obtusis, denticulatis, parum reflexis.—c.p. 593.

HAB. Ambagamowa District, on trees, *Gardner*.

Folia lanceolata, mucronata, 1-3 poll. longa. *Spicæ* densifloræ, curvæ, foliis longiores. *Flores* pallide rufescentes.

Closely allied to the preceding, with which I had confounded it; but the examination of recent specimens satisfies me that it is quite distinct.

8. **O. Scyllæ**, Lindl. Fol. Orch. No. 28.—c.p. 3124.

HAB. Matturatte, at an elevation of 5000 to 6000 feet: April, 1854.

3. MICROSTYLIS, Nutt.

1. **M. Rheedii**, Lindl. Gen. et Sp. Orch. p. 21, cum syn; Wight, Ic. t. 902.—*M. versicolor*, Lindl. l. c.; Wight, Ic. t. 901. An *M. luteola*, Wight, Ic. t. 1632?—c.p. 2375, 2743.

HAB. Common in shady forests in the Central Province.

Extremely variable in size and in the intensity of colour of the flowers and foliage.

I cannot doubt that the plant figured in Rheed. Hort. Mal. xii. t. 27 is the present species.

2. *M. discolor*, Lindl. p. 20; Wight, Ic. t. 1631.—c.p. 3698.

HAB. Damp forests in the Central Province.

This is very closely allied to the preceding, but the leaves are somewhat different in shape and more deeply tinged with purple; and, besides having the labellum edentulate, the sepals are relatively a good deal shorter than in *M. Rheedii*.

3. *M. lancifolia*, Thw.; cæspitosa; caule brevi; foliis lanceolatis vel lineari-lanceolatis, mucronatis; scapo elongato, pluri-bracteato; bracteis acuminatis, suberectis; floribus racemosis.—c.p. 2742.

HAB. On trunks of trees in the Saffragam District.

Folia 4-6, $1\frac{1}{2}$ - $3\frac{1}{2}$ poll. longa, 2-4 lin. lata. Flores flavidi, quoad structuram iis præcedentis simillimi. Labellum concavam margine dentata, nec reflexa. Capsula oblonga, 6-costata, 3 lin. longa, pedicello 2 lin. longo.

4. *M. purpurea*, Lindl. l. c. p. 20.

HAB. Ceylon, *Macrae* (*Herb. Lindl.*).

I know nothing of this plant.

4. DIENIA, Lindl.

1. *D. fusca*, Lindl. Gen. et Sp. Orch. p. 22.—c.p. 3182.

HAB. Central Province, *Macrae*.

Subsect. DENDROBIDÆ, Lindl.

5. DENDROBIUM, Swartz.

1. *D. Macraei*, Lindl. Gen. et Sp. Orch. p. 75; Linn. Soc. Proc. iii. p. 6.—*D. nodosum*, Dalzell in Hook. Journ. of Bot. iv. (1852) p. 292.—c.p. 3695.

HAB. On trees, in the Central Province, not uncommon.

Flores sæpius bini, aliquando solitarii vel terni.

2. *D. crumenatum*, Swartz. (Lindl. Gen. et Sp. Orch. p. 88).—c.p. 3696.

HAB. Common on the trunks of Cocoa-nut and other trees in the hotter parts of the island.

3. *D. aureum*, Lindl. l. c. p. 77; Wight, Ic. t. 1646.—*D. heterocarpum*, Wall. *D. rhombeum*, Lindl. in Bot. Reg. new ser. vol. xvii. t. 17.—c.p. 574.

HAB. More elevated parts of the Central Province.

4. *D. Maccarthiæ*, Thw. in Bot. Mag. t. 4886.—c.p. 3462.

HAB. Forest between Ratnapoora and Galle, flowering in May. Nom. vulg. "Wissak-mal."

Caules penduli, flagelliformes, teretes, striati, versus apicem foliosi, $1\frac{1}{2}$ -2-pedales; nodis parce tumidis; internodis $1\frac{1}{2}$ -2 poll. longis. Folia pauca, lanceolata, $2\frac{1}{2}$ -3 poll. longa, $\frac{1}{2}$ -1 poll. lata. Racemi laterales, 4-5-flori. Pedunculi basi bracteati. Pedicelli pallidi, 10-12 lin. longi. Flores pallide purpurei. Sepala lanceolata, $2\frac{1}{2}$ -3 poll. lata. Petala subæquilonga, latiora. Labellum subtrilobum vel subtrapezi-forme, apice rotundatum, disco atro-purpureo. Columna albida, subquadrata. Mentum conicum, semiapertum, semipollicaris.

5. *D. macrostachyum*, Lindl. Gen. et Sp. Orch. p. 78; Wight, Ic. t. 1647.—c.p. 3183.

HAB. Common in the Central Province and Saffragam District.

6. *D. nutans*, Lindl. l. c. p. 90; Linn. Soc. Proc. iii. p. 17 in adnot.—*D. Jerdonianum*, Wight, Ic. t. 1644.—c.p. 2357.

HAB. Central Province, at an elevation of 4000 to 6000 feet.

A variable plant in the shape of the leaves and colour of the flowers, which latter are dark-ochraceous or sometimes nearly white.

7. *D. sanguinolentum*, Lindl. in Bot. Reg. new ser. vol. xvi. p. 62.

HAB. Ceylon, *Nightingale*.

I am not acquainted with this species.

8. *D. purpurascens*, Thw.; cæspitosum; *caulibus* brevissimis; *foliis* panicis, lineari-lanceolatis, apice angustatis, retusis, mucronatis; *racemis* foliis subæquilongis, 1-3-floris; *labello* sepalis [petalisque] latioribus lineari-lanceolatis æquilongo, indiviso, obtuso, versus apicem parum dilatato cymbiformique, minute crenulato; *mento* brevi, rotundato; *columna* sursum incrassata, margine utrinque breve 3-dentata.—c.p. 2352.

HAB. More elevated parts of the Central Province.

Folia 1-4 poll. longa, 2-6 lin. lata, sæpe purpurascens. *Flores* albi, semipollicares, *columna* atropurpurea. *Bractea* brevis, rotundata.

9. *D. panduratum*, Lindl. in Linn. Soc. Proc. iii. p. 19.—An *D. graminifolium*, Wight, Ic. t. 1649?—c.p. 2353.

HAB. Central Province, up to an elevation of 6000 feet.

Cæspitosum. *Folia* lanceolata, 1-1½ poll. longa, *Flores* albi, purpureo-tincti, semipollicares.

6. BOLBOPHYLLUM, Thouars.

1. *B. elegans*, Gard. MS.; *scapo* unifloro; *sepalis* lateralibus in saccum oblongum, acuminatum, superne ad basin apertum cohærentibus, *dorsali* ovato, acuto, libero, duplo longioribus; *petalis* parvis, lanceolatis; *labello* valde carnosio, 3-lobo, *lobis* lateralibus brevibus, truncatis, erectis, *terminali* porrecto, linguæformi, apiculato, fere ad apicem fossulato.—c.p. 2350.

HAB. Hantani and Ambagamowa Districts, at an elevation of 3000 to 5000 feet.

Rhizoma repens. *Pseudobulbi* mediores. *Folia* solitaria, lineari-lanceolata, utrinque gradatim angustata. *Flores* 1-1½ poll. longi, viridi-purpurascens, maculis purpureis plus minus conspersi, venis purpureis. *Labellum* flavum, purpureo-maculatum. *Columna* bicornis, flava.

2. *B. petiolare*, Thw.; *pseudobulbis* parvis, confertis; *foliis* solitariis, ovatis, retusis, in petiolum longum angustatis; *floribus* capitatis; *sepalis* æqualibus, oblongis, acutis, quam petala plus quam duplo longioribus; *labello* obscure 3-lobo, late linguæformi, obtuso, convexo, medio profunde sulcato reflexoque.—c.p. 3184.

HAB. Ambagamowa, rare.

Bractea parva, rotundata, acuta. *Capitula* circiter 4-flora. *Flores* 3 lin. longi, pallide ochracei, venis rubris.

3. *B. purpureum*, Thw.; *pseudobulbis* ovoideis, confertis; *foliis* solitariis, spatulato-ovatis, retusis; *floribus* capitatis; *sepalis* quam petala duplo longioribus; *lateralibus* in unum apicem retusum cohærentibus,

dorsali libero; *labello* obscure 3-lobo, valde carnosus, medio profunde sulcato reflexoque, apice obtuso.—C.P. 3697.

HAB. Matolle, rare.

Bractea minutæ. *Capitula* 6-8-flora. *Flores* 1½-2 lin. longi, pallide purpurei, venis purpureis.

7. CIRRHOPETALUM, Lindl.

1. *C. Macraei*, Lindl. Gen. et Sp. Orch. p. 59 (haud Wight).—*C. Walkerianum*, Wight, Ic. t. 1657—C.P. 2362.

HAB. Hantani and Hewahette districts, at an elevation of 3000 to 4000 feet.

2. *C. grandiflorum*, Wight, Ic. t. 1656.—C.P. 3657.

HAB. Central Province, in the Maturatte and other districts, at an elevation of 3000 to 6000 feet.

3. *C. Wightii*, Thw.—*C. Macraei*, Wight, Ic. t. 1652 (haud Lindl.)—C.P. 3160, 2740 (632).

HAB. Central Province, at an elevation of 4000 to 7000 feet.

Flores albi vel pallide flavi, plus minus rubro-maculati, vel omnino pallide virides. *Sepala lateralia* linearia vel lineari-lanceolata, obtusa, *dorsali* rotundato, apiculato 3-4-plo longiora. *Petala* parva, acuta, minute serrulata. *Labellum* carnosum, linguæforme, canaliculatum.

Very variable in size and in the colour of the flowers or, possibly, further observation may show that I have confounded two distinct though closely allied species.

8. PHREATIA, Lindl.

1. *P. elegans*, Lindl. Gen. et Sp. Orch. p. 63.—C.P. 3186.

HAB. Central Province, *Macrae*.

9. ERIA, Lindl.

1. *E. bicolor*, Lindl. Gen. et Sp. Orch. p. 65 (haud in Linn. Soc. Proc. iii. p. 58).—C.P. 2982.

HAB. Central Province, at an elevation of 4000 to 7000 feet.

Flores albi, *columna labelloque* ad basin plus minus rubro-tinctis.

2. *E. Lindleyi*, Thw.—*E. bicolor*, Lindl. in Linn. Soc. Proc. iii. p. 58 (haud Gen. et Sp. Orch. p. 65).—*Dendrobium bicolor*, Lindl. l. c. p. 90.—C.P. 2761.

HAB. Central Province, common up to an elevation of 7000 feet.

3. *E. braccata*, Lindl. in Linn. Soc. Proc. iii. p. 46.—*E. reticosa*, Wight, Ic. t. 1637. *E. uniflora*, Dalzell in Hook. Journ. of Bot. iv. p. 111.—*Dendrobium braccatum*, Lindl. Gen. et Sp. Orch. p. 75.—C.P. 2356.

HAB. Central Province, not uncommon.

4. *E. muscicola*, Lindl. in Linn. Soc. Proc. iii. p. 47.—An *Dendrobium muscicola*, Lindl. Gen. et Sp. Orch. p. 75 ?—C.P. 2355.

HAB. Trunks of trees in the Central Province, at an elevation of 4000 to 7000 feet.

Folia acuta. *Pedunculi* 2-5-flori. *Labellum* acuminatum.

5. *E. velutina*, Thw.; molliter pubescens; rhizomate repente; cau-

libus brevibus, adscendentibus, 5-7-foliis; *foliis* anguste lanceolatis, coriaceis, subacutis; *pedunculis* terminalibus, solitariis vel 2-nis, paucifloris, folio longioribus; *sepalis* obtusis, *lateralibus* valde obliquis, *dorsali* lineari-lanceolato, cum *petalis* conformi: *labello* subcarnoso, linguæformi, recurvato, parum concavo, *lobis lateralibus* parvis, *terminali* rotundato, incrassato, papilloso.—C.P. 2349.

HAB. Dolosbage, in the Central Province, at an elevation of 3000 feet.

Folia 2-4 poll. longa. *Bractee* 3-4 lin. longæ. *Flores* parvi, flavi, siccitate rufescentes. *Columna* brevis, simplex. *Capsula* 6-costata.

10. ALWISIA, Lindl. Fol. Orchid.

1. *A. tenuis*, Lindl. l. c.—*Eria articulata*, Lindl. in Linn. Soc. Proc. iii. p. 47.—C.P. 2655.

HAB. Ambagamowa District, at no great elevation.

Sect. 2. EPIDENDRÆ, Lindl.

Subsect. CÆLOGYNIDÆ, Lindl.

11. CÆLOGYNE, Lindl.

1. *C. breviscapa*, Lindl. Fol. Orch. No. 9.—*C. angustifolia*, Wight, Ic. t. 1641 (haud A. Rich.).—C.P. 3121.

HAB. Not uncommon in the more elevated parts of the Central Province.

2. *C. odoratissima*, Lindl. Gen. et Sp. Orch. p. 41; Fol. Orch. No. 10; Wight, Ic. t. 1640.—C.P. 518 (666, 667).

HAB. Newera Ellia and other elevated parts of the Central Province.

12. PHOLIDOTA, Lindl.

1. *P. imbricata*, Lindl. Gen. et Sp. Orch. p. 36; Wight, Ic. t. 907.—C.P. 3187.

HAB. Very common on the trunks of trees, up to an elevation of 3000 feet.

Subsect. BLETIDÆ, Lindl.

13. PHAIUS, Lour.

1. *P. bicolor*, Lindl. Gen. et Sp. Orch. p. 128; Wight, Ic. tt. 1659, 1660.—C.P. 2368.

HAB. Central Province, at an elevation of 2000 to 4000 feet.

Flores 3-4 poll in exp *Sepala* *petalisque* flava, plus minus rubro-tincta.

2. *P. luridus*, Thw.; caulescens, *foliis* lanceolatis, acutis, glabris; *sepalis* cum *petalis* parum angustioribus lanceolatis, acutis; *labello* cucullato, rotundato, obscure trilobo, undulato, superne sparsim piloso et lineis duabus contiguis elevatis antice rugulosis ornato, subtus lævi, medio sulcato; *calcare* brevissimo; *columna* antice parum dilatata, parce pilosa, apice denticulata; *anthera* pilosa.—C.P. 613.

HAB. Rakwane, in the Saffragam District.

Terrestriis. *Caulis* simplex, bipedalis. *Scapi* (in meis specim.) 2, foliis æquilongis, pluriflori. *Bractea* oblongæ, acutæ. *Flores* 2 poll. in exp. *Sepala* petalæque flavo-viridi-rufescentia. *Labellum* flavum, utrinque macula rubra irregulari-notatum.

14. ARUNDINA, Blume.

1. *A. minor*, Lindl. Gen. et Sp. Orch. p. 125.—C.P. 485.

HAB. Not very uncommon amongst grass in swampy places in the Central Province, up to an elevation of 4000 feet.

15. IPSEA, Lindl.

1. *I. speciosa*, Lindl. Gen. et Sp. Orch. p. 124 (Wight, Ic. t. 1663). C.P. 2364.

HAB. Not uncommon amongst long grass on exposed hillsides, at an elevation of 4000 to 5000 feet.

16. APATURIA, Lindl.

1. *A. montana*, Lindl. Gen. et Sp. Orch. p. 131.—C.P. 3189.

HAB. Ambagamowa District, rare.

Scapus bipedalis, stramineus, plus minus purpureo-tinctus, basi squamis brevibus tectus. *Bractea* lineari-lanceolata, acutæ, reflexæ. *Flores* straminei, externe basi apiceque purpurei.

17. ANIA, Lindl.

1. *A. bicornis*, Lindl. in Bot. Reg. xv. new ser. misc. p. 37.—*A. latifolia*, Wight, Ic. t. 914 (haud Lindl.); "*folio* oblongo-lanceolato, carinoso, scapo brevioris; *labelli* lobo medio emarginato, apiculato, basi lamellato, lamella tertia versus apicem interjecta; *anthera* bicorni," Lindl. l. c.—P. 3190.

HAB. HALUMI, in the Central Province, at an elevation of 3000 feet.

Tota planta plus minus purpureo-tincta. *Sepala* petalæque pallide flavo-viridia, purpurascencia.

2. *A. maculata*, Thw.; *folio* lanceolato, delicatule venuloso, longiuscule petiolato; *scapo* subæquilongis; *sepalis* petalisque subconformibus, lanceolatis, acutis; *labello* 3-lobo, disco trilamellato, *lobis* lateralibus parum brevioribus, erectis, obtusis, *intermedio* rotundato, subacuto, concavo; *calcare* brevi, cylindrico, truncato.—C.P. 3515.

HAB. A single specimen collected at Hapootelle, at an elevation of 5000 feet.

Glabra. *Pseudobulbus* conicus. *Scapus* bipedalis. *Bractea* anguste lanceolata, acutæ, flore breviores. *Sepala* petalæque pallide viridia, hæc seriebus linearibus 6, illa 4 macularum purpurearum longitudinaliter notata. *Labellum* album, interne versus basin purpureo-maculatum. *Columna* flava

Sect. 3. VANDEÆ, Lindl.

Subsect. SARCANTHIDÆ, Lindl.

18. EULOPHIA, R. Br.

1. *E. macrostachys*, Lindl. Gen. et Sp. Orch. p. 183 (Wight, Ic. tt. 1667, 1668).—C.P. 3188.

HAB. Not uncommon in the Central Province, up to an elevation of 4000 feet.

2. *E. virens*, R. Br. (Lindl. l. c. p. 182, cum syn.; Wight, Ic. t. 913.)—C.P. 2369.

HAB. Central Province, not very common.

3. *E. grandiflora*, Lindl. l. c. p. 181.

HAB. Ceylon, *Macrae* (*Herb. Lindl.*).

I have not met with this species, nor is there a specimen of it in this herbarium.

4. *E. explanata*, Lindl. l. c. p. 180.

HAB. Ceylon, *Macrae* (*Herb. Lindl.*).

I am not acquainted with this species.

19. CYRTOPERA, Lindl.

1. *C. rufa*, Thw.; *rhizomate* tuberoso; *scapo* squamis distantibus circiter 3 vaginato; bracteis anguste lanceolatis, ovario æquilongis; *sepalis* æqualibus, oblongo-lanceolatis, acutis, quam *petala* obovata acuta parum longioribus; *labello* cucullato, 3-lobo, interne venis pilosis, *lobis lateralibus* obtusis, *intermedio* rotundato, apiculato æquilongis; *calcare* brevi, obtuso; *columna* lineari, ad medium parum contracta.—C.P. 3566.

HAB. Hantani, at an elevation of 3000 feet.

Scapus bipedalis, rufescens. *Flores*, rufi, 2 poll. in exp. *Capsula* oblonga, obtuse sexangula, 2½ poll. longa, 1 poll. in diam. *Folia* nondum vidi.

2. *C. Gardneri*, Thw.; *acaulis*; *rhizomate* tuberoso; *foliis* anguste lanceolatis, plicatis; *scapo* foliis æquilongis, 6–12-floro; *sepalis* æqualibus, lanceolatis, acutis, quam *petala* oblonga longioribus; *labello* parum saccato, 3-lobo, disco lineis pluribus elevatis ornato, *lobis lateralibus* latis, brevibus, rotundatis, erectis, *intermedio* reflexo ovato, undulato, obtuso.—*C. laxiflora*, Gardn. MSS.—C.P. 2370.

HAB. Central Province, up to an elevation of 3000 feet.

Scapus bipedalis, rufescens. *Bractea* anguste lanceolata, acuta, ovario breviores. *Sepala* pollicaria, pallide viridia, plus minus rufescentia. *Petala* albida. *Labellum* albidum vel pallide flavum, disco rubro-tincto.

20. LUISIA, Gaud.

1. *L. tenuifolia*, Blume, Mus. Bot. Lugd. Bat. i. p. 64; Lindl. Fol. Orchid. No. 3, cum syn.—*Cymbidium tenuifolium*, Lindl. Gen. et Sp. Orch. p. 167.—An Wight, Ic. t. 1689?—C.P. 3530.

HAB. On trees in the Central Province, up to an elevation of 3000 feet.

Flores albi, *sepalis* *petalisque* pallide purpurascens. *Labelli* *lobi laterales* parvi, interne purpurei; *intermedius* oblongus, disco convexo marginibusque atropurpureis, postice lævis, antice convexus, 4-sulcatus, apice flavus, planus, truncatus, breve bilobus.

2. *L. Zeylanica*, Lindl. Fol. Orch. No. 7.—C.P. 2347.

HAB. Common on trees in the Central Province.

3. *L. bicaudata*, Thw.; *caulescens*; *foliis* membranaceis, lineari-lanceolatis, acutis, parum falcatis, apice breve bifidis, parce obliquis; *racemis* oppositifoliis, folio longioribus; *sepalis* ovatis, acutis, dorso ad apicem alato-carinatis; *petalis* parum angustioribus, ecarinatis; *labello*

inflato-cymbiformi, apice abrupte angustato, longe subulato-bifido.—
C.P. 3494.

HAB. Ambagamowa and Saffragam Districts.

Folia 3-4 poll. longa, $\frac{3}{4}$ poll. lata. Flores $\frac{3}{4}$ poll. in exp., flavi, *labello* interne postice late carinato, antice versus marginem radiatim rubro-lineato.

21. COTTONIA, Wight, Ic. t. 1755.

1. *C. peduncularis*.—*C. macrostachya*, Wight, l. c.—*Vanda peduncularis*, Lindl. Gen. et Sp. Orch. p. 216.—C.P. 2361.

HAB. Warmer parts of the Central Province.

Sepala petalaeque reflexa, fusca, venis marginibusque flavis. *Labellum* atro-purpureum, margine pilosula fossulaeque flavis, lobis lateralibus parvis adnatis auriculatum, oblongum, convexum, medio constrictum, prope basin rigide pilosum et tuberculo parvo stipitato piloso munitum, a medio versus apicem abrupte fossulatum. *Columna* erecta, apice triloba, lobis lateralibus minoribus gibbis, delicatule muricatis.

22. VANDA, R. Br.

1. *V. Roxburghii*, R. Br. in Bot. Reg. t. 506; Bot. Mag. t. 2245; Wight, Ic. t. 916.—C.P. 2346.

HAB. Hot, drier northern parts of the island.

2. *V. spathulata*, Spreng. (Lindl. Gen. et Sp. Orch. p. 216; Fol. Orchid.; Wight, Ic. t. 915.)—C.P. 2345.

23. ACAMPE, Lindl. Fol. Orchid.

1. *A. Wightiana*, Lindl. l. c.—*Vanda Wightiana*?, Wight, Ic. t. 1670. *V. fasciata*, Gardn. MSS.—C.P. 2342.

Var. β ; foliis latioribus; pedunculis elongatis, ramosis.—C.P. 3392.—An species distincta?

HAB. Jaffna, Gardner. Hantani.—Var. β . Ambagamowa and Huanagiria Districts.

Sepala petalisque flava, interne transverse rubro-striata. *Labelli* lamina triangulari-ovata, parce transverse rubro-striata, convexa, subcarinata, basi tuberculata, (in meis specim.) edentata.

I suspect that var. β will prove to be a distinct species, but until I have an opportunity of examining fresh specimens of it I cannot determine satisfactorily.

2. *A. congesta*, Lindl. l. c.—*Vanda congesta*, Lindl. in Bot. Reg. 1839, Misc. n. 39.

HAB. Ceylon, Loddiges.

I know nothing of this species except from Dr. Lindley's description.

24. SACCOLABIUM, Blume.

1. *S. guttatum*, Lindl. Gen. et Sp. Orch. p. 220, cum syn.; Wight, Ic. tt. 1745, 1746.—C.P. 2344.

HAB. Hot, dry, northern parts of the island, on trees.

2. *S. curvifolium*, Lindl. l. c. p. 222.

HAB. Ceylon, Macrae (*Herb. Lindl.*).

With this species I am not acquainted, and there is neither specimen nor drawing of it in this collection.

3. *S. lineolatum*, Thw.; caulescens; *foliis* linearibus, canaliculatis, oblique retusis; *racemis* ramosis, multifloris; *sepalis petalisque* parum minoribus oblongis, obtusis; *labelli lamina* sagittato-triloba, lobis lateralibus acutis recurvis, intermedio majore, ovato, obtuso; *calcare* cylindrico.—C.P. 2741.

HAB. On trees in the Central Province, up to an elevation of 3000 feet.

Folia 6-8 poll. longa, $\frac{1}{2}$ poll. lata. *Sepala petalaeque* circiter 3 lin. longa, flava, interne delicatule transverse rubro-striata. *Labelli lamina* alba, sparsissime rubromaculata. *Calcar* flavum. *Capsula* cylindrica, 2 poll. longa, 3 lin. lata.

4. *S. niveum*, Lindl. l. c. p. 224.—C.P. 2340.

HAB. Central Province, not uncommon, at an elevation of 3000 to 4000 feet.

Labelli lamina carnosae, concava, obtusa. *Pollinia* aurantiaca. *Capsula* 2 lin. longa.

5. *S. acuminatum*, Thw.; caulescens; *foliis* carnosulis, lanceolatis, acuminatissimis; *racemis* lateralibus, brevibus; *sepalis petalisque* parum minoribus obovatis, obtusis; *labelli calcar* cylindrico, interne dente dorsali parvo bifido, *lamina* æquilonga, triloba, lobis lateralibus obtusis, intermedio ovato, concavo, obscure retuso.—C.P. 3376.

HAB. Saffragam District, at no great elevation.

Folia 4-5 poll. longa, 3 lin. lata. *Racemi* bipollicares. *Flores* 3 lin. in exp. *Sepala petalaeque* pallide viridia, fulvo-marginata. *Labellum* albidum, lobis lateralibus rubris. *Capsula* reflexa, 8 lin. longa.

The dorsal tooth within the labellum of this species indicates an approach to *Cleisostoma*.

6. *S. gracile*, Lindl. l. c. p. 225.—C.P. 2528.

HAB. Hantani, in the Central Province, at an elevation of 3000 feet.

7. *S. roseum*, Lindl. l. c.—*Sarcanthus Walkerianus*, Wight, Ic. t. 1686.—C.P. 489.

HAB. Common upon trees in the Central Province, up to an elevation of 4000 feet.

8. *S. brevifolium*, Lindl. l. c.; Linn. Soc. Proc. iii. p. 35.—*S. virescens*, Gardn. MSS.—C.P. 488, 2341.

HAB. Common in forests in the Central Province. The variety with deep red flowers and more coriaceous leaves occurs at an elevation of 6000 to 8000 feet.

25. SCHCENORCHIS, Blume.

1. *S. juncifolia*, Blume; Lindl. Gen. et Sp. Orch. p. 243.—*Sarcanthus filiformis*, Wight, Ic. t. 1684. *S. roseus*, Wight, Ic. t. 1685.—C.P. 633.

HAB. Trees in forests in the Central Province, at an elevation of 4000 to 6000 feet.

This would seem to be scarcely generically distinct from *Saccolabium*.

26. CLEISOSTOMA, Blume.

1. *C. maculosa*, Lindl. Gen. et Sp. Orch. p. 227.—C.P. 3193.

HAB. Central Province, not common.

Folia subtus præcipue versus basin, cum *pedunculis capsulisque*, creberrime purpureo-maculata. *Flores* flavidi, plus minus rubro-tincti.

2. *C. acaulis*, Lindl. l. c.—*Vanda fimbriata*, Gardn. MSS.—C.P. 3191.

HAB. Hantani, on trees, rare, Gardner.

Labellum saccatum, trilobum, lobis lateralibus brevibus, carnosius, erectis, parum acutis, antice convergentibus, terminali omnino externo, subtriangulari, fimbriato, reflexo.

3. *C. galeata*.—*Saccolabium galeatum*, Gardn. MSS.—Caulescens, foliis coriaceis, linearibus, obliquis, obtusis, emarginatis; floribus racemosis vel subpaniculatis, ad apicem pedunculi folio subæquilongi confertis; sepalis petalisque conformibus, obovato-spathulatis, obtusis; labelli saccati lobis lateralibus brevibus, truncatis, carnosius, terminali parvo, ovato, retuso, parce papilloso; dente dorsali triangulari, apice emarginato.—C.P. 2343.

HAB. Not uncommon on trees in the Central Province.

Folia 6 poll. longa, $\frac{1}{2}$ poll. lata. *Flores* circiter 4 lin in exp., flavi, rubro-maculati. *Capsule* 1 poll. longæ, 2 lin. latæ.

27. TÆNIOPHYLLUM, Blume.

1. *T. Alwisi*, Lindl. in Linn. Soc. Proc. iii. p. 42.—C.P. 3195.

HAB. Ambagamowa District. A single specimen detected upon the branch of a *Symplocos*, by Mr. H. De Alwis, the draftsman of the Peradenia Garden.

Minutum, acaule, aphyllum. *Radices* virides, carnosæ, repentes, complanatæ. *Scapus* erectus, $\frac{1}{2}$ poll longus. *Bracteæ* carinatæ. *Flores* spicati, pauci, minutissimi, pallide virides. *Sepala petalæque* conformia, cum labello in perianthium acute 6-dentatum connata. *Labellum* saccatum, lamina cymbiformi, marginibus liberis. *Columna* brevis. *Pollinia* 4, pyriformia, in glandulam sessilia. *Anthera* quadrata, subquadrilocularis.

28. OCTARRHENA, Thw. (gen. nov.)

Sepala æqualia, libera. *Petala* multo minora. *Labellum* petalis subconforme, parum cymbiforme. *Columna* brevissima, subhemisphærica. *Stigma* transverse oblongum. *Pollinia* 8 (4-4) libera, sphærica; *caudicula* lineari, medio bifurca; *glandula* parva, rotundata.

Herba parva, epiphyta, caulescens, caespitosa, folus distichis, subcylindricis, acutis; racemus axillaribus, paucifloris, floribus minutis, pallide viridibus.

1. *O. parvula*, Thw.—C.P. 3072.

HAB. Central Province, on forest trees, at an elevation of 3000 to 4000 feet.

29. AERIDES, Lour.

1. *A. Wightianum*, Lindl. Gen. et Sp. Orch. p. 238; Linn. Soc. Proc. iii. p. 40, cum syn; Bot. Mag. t. 5138.—*A. testaceum*, Lindl. Gen. et Sp. Orch. p. 238. *Vanda parviflora*, Lindl.; Wight. Ic. t. 1669.—C.P. 752.

HAB. Not uncommon upon trees, up to an elevation of 3000 feet.

2. *A. tessellatum*, Wight, (Lindl. l. c. p. 240?)—C.P. 3378.

HAB. Hunasgiria District; *Mr. H. De Alwis*.

Sepala pollicaria, lateralia obovata, dorsale *petalaeque* conformia angustiora, omnia pallide fusco-viridia, interne rubro-lineata maculataque. *Labelli* albidii calcar conicum, laminae lobi laterales erecta, acuti, terminalis major, ovatus, retusus, flavotinctus, lineis rubris circiter 8 longitudinaliter notatus.

The above description is taken from a carefully executed drawing in this library. I have not seen the plant in a fresh state, nor are there specimens of it in the herbarium.

3. *A. cylindricum*, Lindl. l.c. (Wight, Ic. t. 1744.)—C.P. 2348.

HAB. On trees, not uncommon up to an elevation of 3000 feet.

Flores albidii. *Labelli* lobi laterales interne longitudinaliter delicatule purpureo-striati, intermedius disco luteus, 4-sulcatus, apice purpureo maculatus.

30. DENDROCOLLA, Blume.

1. *D. serraeformis*, Lindl. MSS. *Iiparis serraeformis*, Lindl. l. c. 33.—C.P. 3209.

HAB. Ambagamowa and Saffragam Districts, rare.

Sepala petalaeque lanceolata, acuta, haec angustiora. *Columna* brevis, gibba. *Pollinia* 4, 2 interiora multo minora. *Anthera* rotundata.

31. OECEOCLADES, Lindl.

1. *Oe. tenera*, Lindl. Gen. et Sp. Orch. p. 236 (Wight, Ic. t. 1683).—C.P. 2983.

HAB. Central Province, on trees, at an elevation of 3000 to 5000 feet.

Sepala petalaeque flava vel pallide viridia, saepe venis rubris. *Labelli* laminae lobi laterales truncati, parum rotundati crenulatique, petalis concolores, intermedius albus, calcar breve, cylindricum, dente interno dorsali truncato parum emarginato clausum.

32. DIPLOCENTRUM, Lindl.

1. *D. recurvum*, Lindl. Gen. et Sp. Orch. p. 218; Wight, Ic. t. 1680.—An *D. longifolium*, Wight, Ic. t. 1681.—C.P. 3192.

HAB. Central Province, *Gardner*.

33. ANGRÆCUM, Thouars.

1. *A. zeylanicum*, Lindl. in Linn. Soc. Proc. vol. iii. p. 40—C.P. 3693.

HAB. Narawelle, near Galle, *Champion*.

34. APPENDICULA, Blume.

1. *A. longifolia*, Blume, Bijdr. p. 304; Lindl. Gen. et Sp. Orch. p. 230?—C.P. 3208.

HAB. Ambagamowa District, rare.

Folia 3-5 poll. longa, $\frac{1}{2}$ poll. lata, retusa, mucronata.

The present agrees very well with Blume's description, but in my specimens the flowers are not in a sufficiently perfect state for analysis.

35. PODOCHILUS, Blume.

1. *P. falcatus*, Lindl. Gen. et Sp. Orch. p. 234.—C.P. 2527.

HAB. Common in the Central Province, at an elevation of 3000 to 6000 feet.

2. *P. saxatilis*, Lindl. l.c. p. 235.—C.P. 3194.

HAB. Hantani and Ambagamowa Districts.

36. CYLINDROCHILUS, Thw. (gen. nov.)

Sepala petalaeque subconformia, patentia. Labellum cylindrico-cuculatum, brevi-saccatum, erectum, columnæ basi producta articulatum, 3-lobum, lobis lateralibus oblongis, obliquis, intermedio brevissimo, truncato. Columna brevis, antice excavata. Pollinia 2, bipartibilia, rotundata, compressa, medio caudiculæ latæ brevis affixa; glandula parva, rotundata. Anthera rotundata, bilocularis.—Herba epiphyta, caulescens, foliis coriaceis, lineari-oblongis, oblique retusis; pedunculis lateralibus; floribus paucis, capitatis; capsulis longiusculis, cylindricis.

1. *C. pulchellus*, Thw.—C.P. 2354.

HAB. Central Province and at Kornegalle, up to an elevation of 2000 feet.

Flores albi, 7 lin. in exp. Labellum interne capitellato-pilosum, externe ad apicem maculis paucis fulvis cingulatum. Capsulae 2½ poll. longæ, 1½ lin. latæ, 6-costatæ

37. JOSEPHIA, Wight.

1. *J. lanceolata*, Wight, Ic. t. 1742.—*Polystachya ramosa*, Gardn. MSS.—C.P. 2358.

HAB. Very abundant on trees in the Central Province.

Subsect. CRYPTOCHILIDÆ, Lindl.

38. ACANTHOPHIPPIUM, Blume.

1. *A. bicolor*, Lindl. in Bot. Reg. xx. t. 1730.—C.P. 2365.

HAB. Central Province, up to an elevation of 2000 feet.

Pseudobulbi ovati. Folia sæpius 3, 9–18 poll. longa, 2½–4½ poll. lata, utrinque acuta. Scapus brevis, 2–7-florus. Bractee ovato-lanceolatae, pollicares. Flores sesquipollicares, flavi, ad apicem plus minus rubro-tincti maculatique. Sepalorum apices liberi obtusi, reflexi. Petala angustiora. Labelli lobi laterales rotundati, incurvi; intermedius linguæformis, carnosus, obtusus, deffexus, discis 3-lamellatus, lamellis exterioribus tuberculatis, intermedia tenui, utrinque mucronata.

Subsect. BRASSIDÆ, Lindl.

39. CYMBIDIUM, Swartz.

1. *C. ensifolium*, Swartz; Lindl. Gen. et Sp. Orch. p. 162, cum syn.—*C. hæmatodes*, Lindl. l.c.—C.P. 3691.

HAB. Hantani, in the Central Province.

The shape of the labellum of the Ceylon plant is so precisely similar to that of the variety of *C. ensifolium* figured in Bot. Reg. t. 1976, that I cannot doubt the plants being identical in species.●

2. *C. bicolor*, Lindl. l.c. cum syn.—c.p. 3379.

HAB. Common on trees, up to an elevation of 3000 feet.

3. *C. aloifolium*, Swartz, (Lindl. l.c. cum syn.; Wight, Ic. tt. 1687, 1688).—c.p. 754.

HAB. Jaffna, *Gardner*.

Subsect. MAXILLARIDÆ, Lindl.

40. POLYSTACHYA Hook.

1. *P. luteola*, Hook. Exot. Fl. t. 103; Lindl. Gen. et Sp. Orch. p. 73, cum syn.; Wight, Ic. t. 1678.—c.p. 2360.

HAB. Not uncommon in the warmer parts of the island, on trees.

Subsect. CALANTHIDÆ, Lindl.

41. CALANTHE, R. Br.

1. *C. veratrifolia*, R. Br. (Lindl. Fol. Orchid. cum syn.)—c.p. 2367.
Var. β . *discolor*.—c.p. 2371.

HAB. Not uncommon in the Central Province. Var. β At an elevation of 6000 to 7000 feet.

2. *C. Masuca*, Lindl. Gen. et Sp. Orch. p. 249, cum syn.; Fol. Orchid. cum syn.—*C. purpurea*, Lindl. l.c. *C. emarginata*, Wight, Ic. t. 918.—c.p. 2366.

HAB. Ambagamowa District, at an elevation of 2000 to 4000 feet.

Folia utrinque mollior pubescentia *Bractea* lanceolata vel ovato-lanceolata. *Labelli* discus tuberculatus, lobi laterales oblongi, obliqui; calcar pedicello æquilongum.

42. GEODORUM, Jacks.

1. *G. dilatatum*, R. Br. (Lindl. Gen. et Sp. Orch. p. 175; Fol. Orchid. cum syn.; Wight, Ic. t. 912).—c.p. 3196.

HAB. Central Province, amongst grass in shady places.

2. *G. fucatum*, Lindl. in Bot. Reg. t. 1687; Fol. Orch.

HAB. Ceylon, *Walker (Herb. Lindl.)*.

I have never met with this species, nor is there a specimen or drawing of it in this collection.

Sect. 4. OPHREÆ, Lindl.

Subsect. SATYRIADÆ, Lindl.

43. SATYRIUM, Swartz.

1. *S. Nepalense*, D. Don (Lindl. in Linn. Soc. Proc. iii. p. 44, cum syn. seq.; Wight, Ic. t. 929).—*S. Perottetianum*, A. Rich.; Wight, Ic. t. 1716. *S. albiflorum*, A. Rich.; Wight, Ic. t. 1717. *S. pallidum*, A. Rich.—c.p. 227 (522).

HAB. Abundant about Newera Ellia.

Subsect. GYMNAENIDÆ, *Lindl.*

44. *ATE*, *Lindl.*

1. *A. virens*, *Lindl. Gen. et Sp. Orch. p. 327* ; *Wight, Ic. t. 928*.—*C.P. 3200.*

HAB. Maturatte District, at an elevation of 4000 feet.

Petala oblata, obliqua, laciniis æqualibus

2. *A. acuminata*, *Thw.* ; *foliis* anguste lanceolatis *bracteis*que rotundato-ovatis, setaceo-acuminatis ; *petalis* linearibus, obliquis lacinia anteriore longiore, anguste lineari ; *labello* trifido, lobis linearibus, obtusis, lateralibus divergentibus, longioribus ; *calcare* clavato, obtuso, ovario fere æquilongo.—*C.P. 514.*

HAB. Rambodde and above Galagama, at an elevation of 4000 to 5000 feet.

Caulis 1-3-pedalis, sparse foliosus *Folia* 2-4 poll. longa. *Flores* secundi *Sepala* rotundata *petalae*que pallide viridm. *Labellum* glabrum, fulvum.

This bears a considerable general resemblance to *Habenaria Heyneana*, *Lindl.*, but is totally distinct from it

45. *HABENARIA*, *Willd.*

1. *H. macrostachya*, *Lindl. Gen. et Sp. Orch. p. 307*.—*C.P. 3197.*

HAB. Hantani, *Gardner.*

Sepala longiuscule acuminata. *Petala* fere ad basin divaricato-bifida.

2. *H. dichopetala*, *Thw.* ; *foliis* ovatis vel ovato-lanceolatis, acutis ; *sepalis* lateralibus ovatis, acutis, dorsali rotundato, concavo ; *petalis* bipartitis, sinu lato, laciniis elongatis, setaceis, anteriore angustiore, parum longiore ; *labello* tripartito, laciniis elongatis, setaceis, æqualibus ; *calcare* cylindrico, parum clavato, subacuto, ovario æquilongo.—*C.P. 3564.*

HAB. Bintenne District, at no great elevation.

Caulis bipedalis, medio foliosus, dimidio inferiore squamatus *Spica* pauciflora. *Sepala* circiter 3 lin. longa.

3. *H. dolichostachya*, *Thw.* ; *foliis* ovatis, gradatim acuminatis, acutis, basi rotundatis ; *spica* elongata ; *bracteis* ovato-acuminatis, floribus æquilongis ; *sepalis* lateralibus ovato-lanceolatis, acutis, dorsali parum brevior, rotundato, mucronato ; *petalis* subæquilongis, falcatis, bifidis, lacinia anteriore nana ; *labello* tripartito, laciniis linearibus angustissimis, lateralibus divergentibus, petalis æquilongis, *intermedia* parum longiore.—*C.P. 3199.*

HAB. Rambodde, *Gardner.*

Caulis 3-pedalis, medio foliosus, dimidio inferiore squamatus. *Folia* 2-3-poll. longa, superiora minora. *Spica* pedalis, laxiflora. *Sepala* circiter 3 lin. longa.

4. *H. viridiflora*, *R. Br. (Lindl. Gen. et Sp. Orch. p. 319* ; *Wight, Ic. t. 1705.)—C.P. 2372.*

HAB. Common in the Central Province, at an elevation of 5000 to 7000 feet.

5. *H. pterocarpa*, *Thw.* ; *foliis* lanceolatis ; *floribus* majusculis ; *sepalis* lateralibus deflexis, oblique lanceolatis, acutis, dorsali parum brevior, rotundato, subacuto, petala æquilonga, falcato-linearia, obtusa

inclusente; *labello* sepalis duplo longiore, tripartito, lobis linearibus, *lateralibus* acutis, parum longioribus, recurvis; *calcare* cylindrico, parum clavato, obtuso, quam ovarium 6-alatum fere triplo longiore.—C.P. 3201.

HAB. "Rambodde," at an elevation of 4000 feet.

Caulis sesquipedalis, foliosus, *foliis* 2-6 poll. longis, superioribus gradatim minoribus. *Flores* albidæ, *calcare* 3½ poll. longo, pallide viridi.

6. *H. latifolia*, Lindl. Gen. et Sp. Orch. p. 321.

HAB. Ceylon, *Macrae* (*Herb. Lindl.*).

I have not met with this species, nor are there specimens of it in this herbarium.

7. *H. plantaginea*, Lindl. l. c. p. 323, cum syn.; Wight, Ic. t. 1710.—C.P. 2374.

HAB. Not uncommon in the hot drier parts of the island.

8. *H. crinifera*, Lindl. l. c.; Wight, Ic. t. 926.—C.P. 207.

HAB. Central Province, up to an elevation of 3000 feet.

46. PLATANThERA, Rich.

1. *P. cubitalis*, Lindl. Gen. et Sp. Orch. p. 292?—*Habenaria cubitalis*, R. Br. Prod. *Orchis cubitalis*, Linn.; Willd. iv. p. 17; Fl. Zeyl. n. 320.—C.P. 3202.

HAB. Pasdun Corle, at no great elevation.

Petala ovato-oblonga, obtusa

There can be little doubt, I think, of this being the *Orchis cubitalis*, Linn., with the description of which in 'Flora Zeylanica' it agrees very well, but Landley's plant would appear to be probably different, since he describes the petals as subulate.

2. *P. rhynchocarpa*, Thw.; *caule* dimidio inferiore, folioso; *foliis* lanceolatis; *spica* brevi, compacta; *bracteis* lanceolatis, acutissimis, ovario subæquilongis; *sepalis* *lateralibus* ovatis, subacutis, deflexis, *dorsali* parum brevior, rotundato, cucullato, petala lineari-spathulata, acuta, subæquilonga includente; *labello* sepalis *lateralibus* æquilongo, a medio tripartito, laciniis lineari-lanceolatis, acutis, *lateralibus* parum brevioribus; *calcare* cylindrico, obtuso, porrecto, quam ovarium longiuscule rostratum dimidio longiore.—C.P. 3058.

HAB. Above Galagama, at an elevation of 4000 feet.

Caulis 1-2-pedalis. *Folia* 2-6 poll. longa. *Flores* albi, *sepalis* 3-4 lin. longis, *calcare* 13 lin. longo, apice viridi

47. PERISTYLUS, Blume.

1. *P. goodyeroides*, Lindl. Gen. et Sp. Orch. p. 299.

HAB. Ceylon, *Walker* (*Herb. Hook.*).

2. *P. plantagineus*, Lindl. l. c. p. 3000; Wight, Ic. t. 921.

HAB. Ceylon, *Macrae* (*Herb. Lindl.*).

3. *P. spiralis*, Wight, Ic. t. 1696.—*P. Lawii*, Wight, Ic. t. 1695.—C.P. 226 (523).

HAB. Central Province, at an elevation of 4000 to 6000 feet.

4. *P. aristatus*, Lindl. l. c. p. 300.—*P. exilis*, Wight, Ic. t. 1698. *P. robustior*, Wight, Ic. t. 1699.—C.P. 3081, 2373.

HAB. More elevated parts of the Central Province, common.

5. *P. brevilobus*, Thw.; *caule* gracili, dimidio inferiore distanter folioso; *foliis* oblongo-lanceolatis, acutis; *spica* brevi, densiflora; *bracteis* ovato-lanceolatis, acutis, ovario subæquilongis; *sepalis* petalisque obtusis, his laticoribus; *labello* obcordato, lobo intermedio minuto.—C.P. 3493.

HAB. Near Ratnapoora.

Subsect. CORYCIDÆ, Lindl.

48. DISPERIS, Swartz.

1. *D. tripetaloidea*, Lindl. Gen. et Sp. Orch. p. 371, cum syn.; Wight, Ic. t. 930.—C.P. 2363.

HAB. Not uncommon in damp forests of the Central Province, at an elevation of 3000 to 5000 feet.

Flores pallide purpureæ.

Sect. 5. ARETHUSEÆ, Lindl.

Subsect. GASTRODIDÆ, Lindl.

49. GASTRODIA, R. Br.

1. *G. Javanica*, Lindl. Gen. et Sp. Orch. p. 385.—*Ephiphanes Javanica*, Blume, Bijdr. p. 421.—C.P. 3463.

HAB. Hinidoon Kanda, and Carawitta Kanda, near Ratnapoora.

This agrees so well with Blume's description, that I cannot doubt its being his plant.

50. EPIPOGIUM, Gmel.

Lindl. in Linn. Soc. Proc. i. p. 176.

Galera, Blume. *Podanthera*, Wight. *Ceratopsis*, Lindl.

1. *E. nutans*, Lindl. l. c. p. 177.—*Galera nutans*, Blume, Bijdr. p. 415. *Podanthera pallida*, Wight, Ic. t. 1759.—C.P. 3205.

HAB. Not very uncommon, in damp shady places, up to an elevation of 2000 feet.

Tota planta albida, vel floribus bracteisque rubro-maculatis.

Subsect. VANILLIDÆ, Lindl.

51. CYRTOSIA, Blume.

1. *C. Javanica*, Blume, Bijdr. p. 396; Rumphia, t. 69.—C.P. 3203.

HAB. Central Province, at the roots of Coffee-trees. Passbage, *Gardn.* Poondool Oya, *J. Nietner, Esq.*

52. VANILLA, Plumier.

1. *V. Walkeriæ*, Wight, Ic. t. 932.—An *V. aphylla*, Wight, Ic. t. 931? (non Blume).—C.P. 2964.

HAB. Galle and Negumbo.

Labellum fauce rubescens.

I have unfortunately been unable to make a careful analysis of the flower of this beautiful plant, the only flower I have seen, and from which the draftsman made his drawing, having been inadvertently thrown away.

2. **V. Moonii**, Thw. ; *foliis* carnosis, oblongis, acuminatis, subsessilibus ; *spicis* brevibus, plurifloris ; *bracteis* brevibus, acutis ; *sepalis petalisque* conformibus, lanceolatis, conniventibus ; *labello* cucullato, margine crenulato.—*V. aromatica* ? , Moon's Cat. p. 60.—c.p. 3204.

HAB. Cultura, Moon. Negumbo and Kornegalle.

Sepala petalaeque fulva, apice nigrescentia *Labellum* pallide viride, disco albo, tribus seriebus apice convergentibus macularum fulvarum ornato. *Ovarium* albidum.

I have not seen the flowers of this plant in a fresh state. The description of their colour is taken from a drawing in this library.

Sect. 6. NEOTHEE, Lindl.

Subsect. CRANICHIDÆ, Lindl.

53. ZOSTEROSTYLIS, Blume.

1. **Z. Zeylanica**, Lindl. Gen. et Sp. Orch. p. 446.—*Z. Walkerae*, Wight, Ic. t. 1748-4.—c p. 383.

HAB. Not uncommon in shady forests of the Central Province, up to an elevation of 4000 feet.

Folia ovata vel elliptica, subtrinervia, nitida, 3-7 poll. longa, longipetiolata. *Scapus* 1-3-pedalis. *Columna* brevissima, basi tuberculato-callosa *Stigma* disciforme, emarginatum. *Clinandrium* latum, concavum, marginibus acutis nec membranaceis. *Anthera* disjunctim bilocularis. *Pollinia* basi attenuata curvataque, *glandula* communi parva, oblonga.

Subsect. SPIRANTHIDÆ, Lindl.

54. SPIRANTHES, L. C. Rich.

1. **S. australis**, Lindl. Linn. Soc. Proc. i. p. 178, cum syn.—*S. australis et densa*, Wight, Ic. t. 1724.—c.p. 550.

HAB. Common amongst grass, in the more elevated parts of the Central Province.

Subsect. PHYSURIDÆ, Lindl.

55. ZEUXINE, Lindl.

1. **Z. sulcata**, Lindl. Linn. Soc. Proc. i. p. 186, cum syn: seq.—*Z. emarginata*, Lindl. Gen. et Sp. Orch. p. 485. *Z. robusta*, Wight, Ic. t. 1726. *Z. brevifolia*, Wight, Ic. t. 1725.—c.p. 3017.

HAB. Amongst grass, in the warmer parts of the island.

56. **MONOCHILUS**, Wallich.

1. **M. longilabris**, Lindl. Linn. Soc. Proc. i. p. 186.—*M. affinis*, Wight, Ic. t. 1728.—C.P. 2377.

HAB. Hot drier parts of the island, not common.

2. **M. nervosus**, Wall. MSS. (Lindl. Gen. et Sp. Orch. p. 487.)

HAB. Ceylon, *Walker, Gardner (Herb. Hook.)*.

3. **M. flavus**, Wall. MSS.; Lindl. l. c.—C.P. 3120.

HAB. Rakawa and Ambagamowa, in the Central Province, at an elevation of 3000 feet.

4. **M. regius**, Lindl. l. c.—C.P. 2643.

HAB. Damp forests, in the Central Province, up to an elevation of 4000 feet. Nom. vulg. "Eerce-rajah."

57. **CHEIROSTYLIS**, Blume.

1. **C. parvifolia**, Lindl. Gen. et Sp. Orch. p. 488; Linn. Soc. Proc. i. p. 187.—C.P. 3071.

HAB. Ambagamowa District, rare.

2. **C. flabellata**, Wight, Ic. t. 1727; Lindl. l. c. cum syn. seq.—*Goodyera flabellata*, A. Rich.; Ann. des Sci. Nat. ser. 2, xv. p. 79, t. 12. *Zeuxine moniliformis*, Griff. Notulæ, iii. p. 397, t. 350.—C.P. 3377.

HAB. Ambagamowa District, rare.

Closely allied to the preceding: can it be merely a more highly developed form of it?

58. **RHAMPHIDIA**, Lindl.

Linn. Soc. Prod. i. p. 190.

1. **R. elongata**, Lindl.—*Goodyera* (sect. *Rhamphidia*) *elongata*, Lindl. Gen. et Sp. Orch. p. 494.—C.P. 2739.

HAB. Hewahette and Ambagamowa Districts, at an elevation of 4000 feet.

2. **R. Gardneri**, Thw.; subcaulescens; foliis oblongis, utrinque angustatis, glabris, scapo tomentello brevioribus; spica elongata, tenui, pluriflora; bracteis anguste lanceolatis, ovario subæquilongis; sepalis petalisque ovatis, obtusiusculis; labello parum brevior, sacciformi, ovoideo, acuto, dimidio apicali clauso, interne parcissime brevi-piloso; columna labelli aperturæ appositæ, subquadrata, apice spinis 2 uncinatis auriculatæ; rostello profunde bifido; anthera dorsali.—C.P. 3425.

HAB. Central Province, *Gardner*.

Bipedalis. Folia 3-5 poll. longa, 3-nervia, subtus purpurascens. Sepala petalisque rufo-fuscescentis, 2 lin. longa. Labello flavum.

59. **GOODYERA**, R. Br.

1. **G. procera**, Hook. Exot. Flor. t. 39; Lindl. Gen. et Sp. Orch. p. 493, cum syn.; Wight, Ic. t. 1729.—C.P. 597.

HAB. Common in damp forests, up to an elevation of 4000 feet.

2. *G. fumata*, Thw. ; subcaulescens, *foliis* majusculis, oblongis, utrinque angustatis, glabris, scapo brevioribus ; *spica* sparsiflora, elongata ; *rachi* glanduloso-pilosa ; *bracteis* lanceolatis, acutis, floribus subæquilongis ; *sepalis* oblongis, acutis ; *labello* concavo, abrupte in ligulam æquilongam arcu revolutam angustato.—C.P. 3668.

HAB. Central Province, rare.

Folia 5-10 poll. longa, concolora. *Rachis* rufo-fusca. *Bractea* rufic. *Flores* viridi-rufescentes. *Labelum* albidum, fulvo-tinctum. *Stigma* obcordatum, rostratum, apice emarginatum.

60. GEORCHIS, Lindl.

1. *G. cordata*, Lindl. Gen. et Sp. Orch. p. 496.

HAB. Ceylon, *Macrae* (*Herb. Lindl.*).

I have not met with this species nor are there specimens of it in this herbarium.

61. ANÆCTOCHILUS, Blume.

1. *A. setaceus*, Blume, (Lindl. Gen. et Sp. Orch. p. 499 ; Wight, Ic. t. 1731.)—C.P. 384.

HAB. Damp forests, up to an elevation of 3000 feet. Nom. vulg. "Wanna-rajah."

62. PHYSURUS, L. C. Rich.

1. *P. Blumei*, Lindl. Gen. et Sp. Orch. p. 504 ; Linn. Soc. Proc. i. p. 181.—C.P. 598.

HAB. Not uncommon in the damp forests of the Central Province.

63. TROPIDIA, Lindl.

1. *T. curculigoides*, Lindl. Gen. et Sp. Orch. p. 497.—C.P. 3565.

HAB. Amongst high grass, in the hot, drier parts of the island.

64. CNEMIDIA, Lindl.

Govindovia, Wight.

1. *C. bambusifolia*, Thw. ; *foliis* oblongo-lanceolatis, acuminatis, basi acutis ; *ramis florigeris* brevibus, squamosis, rarius subfoliosis ; *spiris* brevissimis, confertifloris ; *bracteis* lanceolatis, acutissimis.—C.P. 3207.

HAB. Saffragam District.

Caulis 2-3-pedalis. *Folia* 4-9 poll. longa.

This would appear to be quite distinct from either of Lindley's species of this genus, as well as from the *Govindovia nervosa*, Wight, Ic. t. 2090, which latter has the leaves rounded at the base, and the spikes of flowers longer and less crowded.

65. CORYMBIS, Thouars.

1. *C. disticha*, Thouars, (Lindl. Fol. Orchid. cum syn.)—C.P. 3206.

HAB. Matpuratte, Moon.

CXLV. APOSTASIACEÆ.

1. APOSTASIA, Blume.

1. **A. Wallichii**, R. Br. in Wall. Pl. Asiat. Rar. i. p. 75, t. 84.—c.p. 2744.

HAB. Banks of streams, in the Saffragam District, at no great elevation.

CLXVI. ZINGIBERACEÆ.

1. GLOBBA, Schieb.

1. **G. bulbifera**, Roxb. Fl. Ind. i. p. 78.—*G. marantinoides*, Wight, Ic. t. 2001 (*G. marantina*, Wight, non Willd.).—c.p. 3563.

HAB. Near Batticaloa.

My specimens agree extremely well with Dr. Wight's figure, except that in mine the superior wing-like appendages of the anther are twice as broad as the inferior ones. The flowers are of an orange-yellow colour.

2. ZINGIBER, Gærtn.

(Nom. vulg. "Wal-ingooroo.")

1. **Z. Zerumbet**, Rose. (Roxb. Fl. Ind. i. p. 48, cum syn.; Wight, Ic. t. 2003.)—c.p. 3699.

HAB. Not uncommon up to an elevation of 2000 feet.

2. **Z. Cassumunar**, Roxb. l. c. p. 49.—Var. *subglabra*.—c.p. 3727.

HAB. Hantani, in the Central Province, rare.

This differs from the typical form of the species in being nearly smooth and in having smaller spikes of flowers.

3. **Z. Wightianum**, Thw.—*Z. squarrosum*, Roxb. ?; Wight, Ic. t. 2004 (vix Roxb.).—c.p. 2286.

HAB. Very common in forests, up to an elevation of 4000 feet.

1½–5-pedale. *Folia* 6–12. poll longa, membranacea, superne subglabra, subtus villosula, vagina ad apicem tuberosulis minutis conspersa, ligulæ bifidæ lobis 1½–3 lin. longis, rotundatis. *Flores* ochraceæ. *Corollæ lacinæ exteriores* acuminato-lanceolatae. *Labellum* brevius, purpureo-venosum maculatumque, 3-lobum, lobis lateralibus lanceolatis, acutis, intermedio majore, ovato, obtuso, bifido. *Capsula* pollicares.

In the present species the sheaths of the leaves have not the large conical processes at their apex, and the fruit is very much smaller than that of Roxburgh's *Z. squarrosum*, as described by him.

4. **Z. cylindricum**, Moon, Cat. p. 1.—*foliis* lanceolatis vel lineari-lanceolatis, utrinque acutis, subsessilibus, ad costam subtus aliquando pilosis; *vaginis* ad apicem tubulosis nec fissis; *ligula* brevi, truncata, externe pilosa; *spicis* radicalibus, pedunculatis, subcylindricis; *bracteis* imbricatis, rotundatis vel oblongis, subacutis; *labello* 3-loba, lobis linearibus, truncatis, intermedio latiore.—c.p. 2287.

HAB. Very abundant in the forests of the Central Province.

3–6-pedale vel ultra. *Folia* 5–8 poll. longa, 1–2 poll. lata. *Pedunculi* 3–9

poll. longi, erecti, squamis pollicaribus obtusis ad medium tubulosis vaginati. *Bractææ* pollicares, rufescentes vel pallidæ. *Flores* albidæ. *Capsulæ* subsphæricæ, rubræ. *Semina* nigra, arillo albo.

This bears a very great external resemblance to *Z. officinale*, which is largely cultivated in native gardens, but, besides other differences, the tubular uncleft sheaths of the leaves at once distinguish the present plant.

3. CURCUMA, Linn.

1. **C. Zerumbet**, Roxb. Pl. Cor. iii. t. 201; Fl. Ind. i. p. 20, cum syn.—C.P. 3373.

HAB. Common in the Ambagamowa District. Nom. vulg. "Haran-kaha."

2. **C. aromatica**, Salisb. (Wight, Ic. t. 2005.)—*C. zedoaria*, Roxb. Fl. Ind. i. p. 23 (excl. syn.).—C.P. 3705.

HAB. Pusalawa and near Gampolle, in the Central Province. Nom. vulg. "Dada-kaha," "Wal-kaha."

The roots of this plant are used medicinally by the Cinghalese.

3. **C. albiflora**, Thw.; glabra, *foliis* ellipticis vel oblongis, utrinque acutis, petiolatis, concoloribus; *spica* radicali, pedunculo æquilonga; *bracteis* ovato-lanceolatis, parum reflexis, superioribus gradatim minoribus, omnibus florigeris; *perianthii* laciniis obtusis; *labello* rotundato, retuso.—C.P. 2737.

HAB. Maskellia, in the Ambagamowa District, at no great elevation.

Folia 6-8 poll. longa, 2½-3½ poll. lata. *Bractææ* pallide virides. *Flores* albi, *labelli* disco luteo. *Antheræ* calcaria incurvata.

Mr. W. O. Brodie sent me some years ago, from Anooradhapoor, a very small species of *Curcuma* (C.P. 3700), which appears to be undescribed, and the specimens are not sufficiently perfect to enable me to draw up a description.

Curcuma longa, Linn. (nom. vulg. "Kaha"), is cultivated in native gardens, and the roots are used in curries, as well as for medicine.

4. KÆMPFERIA, Linn.

1. **K. rotunda**, Linn. (Roxb. Fl. Ind. i. p. 16, cum syn.; Wight, Ic. t. 2029.)—C.P. 3175.

HAB. Warmer parts of the island. Nom. vulg. "Lonkenda."

The roots are employed medicinally by the Cinghalese.

2. **K. pandurata**, Roxb. l. c. p. 18, cum syn.—C.P. 3702.

HAB. Gangaroorwa, near Peradenia. Nom. vulg. "Amba-kaha."

The Cinghalese use the roots of this medicinally. *K. Galanga*, Linn., is cultivated in native gardens as a medicine and a masticatory, but I have not heard of its occurring in a wild state in the island. Its native name is "Hingooroo-peyellee."

5. AMOMUM, Linn.

(Nom. vulg. "Neya-dandoo.")

Sect. 1.—*Floribus dense glomeratis*.

1. **A. echinatum**, Willd. Sp. Plant. i. p. 8, cum syn.—C.P. 3020.

HAB. Common in dense forests of the Central Province, up to an elevation of 4000 feet.

6-12-pedale. *Folia* firma, glabra, lineari-lanceolata, acuminata, sessilia, superne nigro-viridia, subtus pallidiora, 1-2-pedalia; *ligula* truncata vel parum rotundata, indivisa, 5-7 lin. longa. *Pedunculi* procumbentes, rubri, squamis obtusis muniti. *Capitulum* rotundatum vel ovoideum. *Bractea* oblongæ, obtusæ, pilosulæ, quam flores parum breviores. *Flores* flavi, rubro-tincti. *Labellum* parum carnosum, cucullatum, obscure trilobum, basi utrinque bidentatum, disco rubro-lineato maculatoque, lobo intermedio rotundato, aurantiaco. *Antheræ* loculi ciliati; *crista* transversim oblonga, brevis triloba. *Capsula* rotundatæ, nitidæ, uncinato-aculeatæ, nigro-purpureæ, pollicares.

2. **A. fulviceps**, Thw.; *foliis* firmis, lanceolatis vel lineari-lanceolatis, utrinque acutis, acuminatis, sessilibus; *ligula* indivisa, rotundata, tam longa quam lata; *pedunculis* brevibus, procumbentibus; *capitulo* rotundato vel ovoideo, plurifloro; *bracteis* imbricatis, ovato-oblongis, retusis, adpressim dense fulvo-pilosis.—*a. foliis* glabris.—c.p. 3122. *β. foliis* subtus pilosis.—c.p. 3704.

HAB. Dense forests. Var. *a.* Raxawa in the Central Province. Var. *β.* Reigam Corle.

5-8-pedale vel ultra. *Folia* 1-2-pedalia. *Flores* pallide flavi, rubro-tincti. *Corollæ* lacinie exteriores oblongæ, obtusæ, externe dense pilosæ, posterior subduplo latior. *Labellum* rotundatum, retusum, trilobum, basi bidentatum, dentibus longiusculis. *Antheræ* loculi pilosi, *crista* semilunaris, emarginata.

3. **A. pterocarpum**, Thw.; glabrum, *foliis* oblongo-lanceolatis, utrinque acutis acuminatis, sessilibus; *ligula* bifidæ lobis longis, lanceolatis, acutis, scariosis; *pedunculis* brevibus, procumbentibus; *capitulo* ovoideo vel globoso; *bracteis* oblongis, majusculis, cito deciduis; *capsulis* confertis, ovoideis, parum acutis, 9-costatis, costis alatis crenulatisque.—c.p. 3021.

HAB. Forests of the Central Province, up to an elevation of 4000 feet.

8-6-pedale vel ultra. *Folia* 1-2-pedalia. *Flores* albi. *Corollæ* lacinie exteriores oblongæ, obtusæ, posterior latior. *Labellum* rotundatum, basi breve bidentatum, disco flavo, rubro-tincto. *Antheræ* *crista* brevis, triloba. *Capsula* sesquipollicares, virides.

4. **A. masticatorium**, Thw.; *foliis* firmis, glabris, lineari-lanceolatis; acuminatis, sessilibus, basi acutis vel parum rotundatis; *ligula* longiuscula, indivisa, lanceolata, superne scariosa; *pedunculis* procumbentibus; *capitulo* globoso; *bracteis* obovatis, obtusis, pilosulis, ciliatis, quam flores dimidio brevioribus; *capsulis* retundatis, echinatis.—c.p. 3701.

HAB. Common in forests of the Central Province, up to an elevation of 4000 feet.

2-8-pedale. *Folia* 5-15 poll. longa. *Bractea* 8 lin. longæ. *Flores* flavi. *Corollæ* tubus externe villosulus, lacinie exteriores oblongæ, obtusæ, posterior duplo latior. *Labellum* rotundatum, rubro-punctulatum, basi bidentatum, trilobum, lobo intermedio minore, bifido. *Anthera* glabra, loculis longiusculis, ad apicem valde divergentibus, *crista* semilunaria. *Capsula* 8 lin. in diam. nigro-virides.

The Cinghalese chew the aromatic rhizomes of this plant with their betel.

5. **A. acuminatum**, Thw.; *foliis* firmis, glabris, oblongo-lanceolatis, longiuscule acuminatis, basi parce acutis, petiolatis; *ligula* indivisa, rotundata, parum brevior quam lata; *pedunculis* procumbentibus; *capitulo* subgloboso, parvo; *bracteis* rotundatis vel obovatis, obtusis, puberulis, ciliatis, quam flores dimidio brevioribus; *labello* rotundato, trilobo, lobo intermedio emarginato, *antheræ* loculis ciliatis, *crista* semilunari crenulata.—c.p. 3466.

HAB. Ehualagodne, near Ratnapoora, at no great elevation.

2-4-pedale. *Folia* (in meis specim.) circiter 6 poll. longa, 1-1½ poll. lata, petiolo 4 lin. longo. *Rhizomata* repentia, cum *pedunculis* brevibus, *squamis* rotundatis *bracteis*que rufescentia. *Flores* lutei, rubro-tincti.

Sect. 2.—*Floribus laxe spicatis vel paucis.*

6. **A. pulchellum**, Thw.; *foliis* oblongis, utrinque acutis, membranaceis, minute reticulatis, præter costam subtam pilosam glabris, petiolatis; *ligulæ* bifidæ lobis brevibus, rotundatis; *pedunculis* elongatis, procumbentibus, ramosis, squamis oblongis obtusis subglabris amplexantibus tectis; *floribus* quam bracteæ multo longioribus; *antheræ* crista majuscula, semicirculari; *capsulis* rotundatis, leviter 9-costatis.—C.P. 2736.

HAB. Forests of the Central Province, up to an elevation of 3000 feet.

1-2-pedale. *Folia* ½-2 ped. longa, 2½-5 poll. lata, petiolo ½-8 poll. longo. *Corollæ* lacinie exteriores puberulæ, inter se subæquales, lineares, obtusæ, pallidæ, venis 3 fulvis. *Labellum* rotundatum, roseo-purpureum, disco flavo, 3-lobum, lobo intermedio retuso. *Antheræ* loculi glabri, ad apicem vix divergentes, crista roseo-purpurea. *Capsulæ* 6 lin. in diam., rubræ.

7. **A. hypoleucum**, Thw.; *foliis* oblongo-lanceolatis, utrinque acutis, acuminatis, superne glabris nitidis, subtus adpresse canescenti-pilosis, petiolatis; *ligula* brevi, obtusa, apice biloba; *scapis* secus rhizoma repens elongatum sparsis, brevibus, 3-floris; *capsulis* rotundatis, 9-costatis.—C.P. 3532.

HAB. Damp forests of the Central Province, up to an elevation of 4000 feet.

2-5-pedale. *Folia* ½-2-pedalia, petiolo 1-3 poll. longo. *Bracteæ* ovatæ, retusæ, mucronulatæ, pallidæ, glabræ, floribus multo breviores. *Corollæ* lacinie exteriores albidæ, inter se subæquales, oblongæ, obtusæ, sæpe mucronatæ. *Labellum* rotundatum, retusum, disco flavo rubro-tincto. *Antheræ* loculi glabri, ad apicem vix divergentes, crista semilunari. *Capsulæ* rubræ, pollicares.

6. ELETTERIA, Rheede.

Sect. 1.—*Spicis laxifloris.*

1. **E. Cardamomum**, White, (Blume, Enum. i. p. 51; Miq. Flor. Ind. Bat. iii. p. 600, cum syn.)

Var. β ; *foliis* parum latioribus firmioribusque; *capsulis* fusiformibus.—*E. major*, Smith.—An *Elettari*, Rheed. Hort. Mal. xi. t. 6 p.—c.p. 2431.

HAB. Var. β . Forests in the Central and Southern Provinces, up to an elevation of 3000 feet. Nom. vulg. "Ensal." Var. α occurs in Ceylon only as a cultivated plant; it is called by the Cinghalese Rata-ensal.

A careful comparison of growing specimens satisfies me that the plants producing respectively the round and the long cardamoms of commerce are not distinct species, but merely varieties of the present species. In every essential particular the structure is similar in the two plants, the only difference being that var. α , which produces the round cardamom, is a little taller, with rather narrower and less firm leaves, and that its fruit is more aromatic as well as different in form from that of var. β . The seeds of both varieties are used by the Cinghalese to chew with their betel, and as medicines

Sect. 2.—*Floribus dense glomeratis.**Geanthus*, Rot.

2. *E. involucrata*, Thw.; *foliis* majusculis, membranaceis, glabris, lineari-lanceolatis, utrinque acutis, acuminatis, sessilibus; *ligula* brevi, indivisa, rotundata; *pedunculis* erectis, longiusculis, squamosis; *capitulo* multifloro, ultra apicem truncatum explanatum squamis magnis involucrato.—c.p. 3019.

HAB. Central Province, in damp forests, at an elevation of 4000 to 6000 feet.

6–10-pedalis vel ultra. *Folia* 1½–3 ped. longa, 4–7 poll. lata. *Pedunculi* 1½–3 ped. alti, cum squamis oblongis vel ovato-oblongis obtusis 3–6 poll. longis bracteisque obovatis, rubri. *Flores* parvi, pallide ochracei. *Corollæ* lacinæ exteriores obovato-oblongæ, obtusæ. *Labello* obovato, 3-lobum, lobis subæqualibus rotundatis.

3. *E. floribunda*, Thw.; *foliis* glabris, firmis, lineari-lanceolatis, utrinque acutis, acuminatis, petiolatis; *ligula* brevi, indivisa, rotundata; *pedunculis* erectis, longiusculis, squamosis; *capitulo* multifloro, globoso; *bracteis* rotundatis vel ovato-rotundatis, retusis, mucronatis; *floribus* parvis, parum carnosis; *corollæ* laciniis exterioribus ovatis, obtusis, concavis; *labello* obovato, retuso, obscure trilobo.—c.p. 3374.

HAB. Forests in the Ambagamowa District.

3–6-pedalis vel ultra. *Folia* 1½–2 ped. longa, circiter 3 poll. lata. *Flores* pallide ochracei.

4. *E. nemoralis*, Thw.; *foliis* glabris, firmis, lanceolatis vel lineari-lanceolatis, utrinque acutis, acuminatis, brevi-petiolatis; *ligula* brevi, indivisa, rotundata; *pedunculis* procumbentibus, squamosis; *capitulo* parvo, subgloboso; *bracteis* glabris, valde membranaceis, exterioribus rotundatis vel obovatis, interioribus lanceolatis; *corollæ* laciniis exterioribus æqualibus, oblongis, obtusis, tubo longo; *labello* rotundato, 3-lobo, lobo intermedio minore, bifido; *ovario* piloso.—c.p. 3703.

HAB. Forests in the Reigam and Pasdoon Corles.

2–4-pedalis. *Folia* 8–15 poll. longa, circiter 2 poll. lata. *Flores* flavi, labello copiose purpureo-venoso. *Capsulæ* rotundatæ, breve rostratæ, semipollicares.

7. *HEDYCHIUM*, Kœnig.

1. *H. coronarium*, Kœn. (Wallich in Hook. Journ. of Bot. iii. (1853) p. 325, cum syn; Wight, Ic. t. 2010.)—c.p. 3018.

Var. β; *floribus* lutescentibus.—Wall. l. c.; Wight, Ic. tt. 2008, 2009.—c.p. 3728.

HAB. Margins of woods, in the Central Province, up to an elevation of 6000 feet. Nom. vulg. “Ella-wal.”

2. *H. angustifolium*, Roxb. Flor. Ind. i. p. 13; Wall. l. c. p. 371.—c.p. 3669.

HAB. In similar situations with the preceding.

8. *ALPINIA*, Linn.

1. *A. Galanga*, Linn. (Roxb. Fl. Ind. i. p. 59, cum syn.)—c.p. 3729.

HAB. Cultura, Moon. Nom. vulg. “Koloowala.”

The Cinghalese employ the rhizomes medicinally.

2. **A. Allughas**, Roscoe, (Roxb. l. c. p. 61, cum syn.—c.p. 3157.)

HAB. Warmer parts of the island. Nom. vulg. "Aloo-gass."

The rhizomes of this species are also used medicinally by the Cinghalese.

3. **A. nutans**, Roscoe, (Roxb. l. c. p. 65, cum syn; Wight, Ic. t. 2027.)

Var. β ; *panicula brevior*; *floribus minoribus*.—*A. sericea*, Moon, Cat. p. 1.—c.p. 3312.

HAB. In a forest between Negombo and Kornegalle. Nom. vulg. "Rankeeriya."

Besides the distinguishing characters mentioned above, this differs from the common form of *A. nutans* in the flowers not being tipped with rose-colour.

4. **A. calcarata**, Roscoe, Roxb. l. c. p. 69; Wight, Ic. t. 2028.)—c.p. 3730.

HAB. Kandy, Moon, Walker. Nom. vulg. "Kattakeeriya."

I have never met with this truly wild. It grows abundantly in the Botanic Garden.

9. **COSTUS**, Linn.

1. **C. speciosus**, Smith, (Roxb. Fl. Ind. i. p. 58, cum syn.; Wight, Ic. t. 2014.)—c.p. 3082.

HAB. Margins of woods, in the Ambagamowa District. Nom. vulg. "Taiboo-gass."

The Cinghalese use the rhizomes as a medicine.

CXLVII. MARANTACEÆ.

1. **MARANTA**, Plum.

1. **M. virgata**, Dietr. (Steud. Nom.; Wight, Ic. t. 2015.)—*Phrynium virgatum*, Roxb. Fl. Ind. ed. Carey, i. p. 4.—c.p. 3465.

HAB. Hotter parts of the island, not very uncommon. Nom. vulg. "Hoolankeeriya."

The Rev. S. O. Glenie, of Trincomalee, informs me that arrowroot of a very superior quality is obtainable from the rhizomes of this plant.

2. **M. spicata**.—*M. cæspitosa*, Dietr.; Steud. Nom. *Phrynium spicatum*, Roxb. l. c. p. 5.—c.p. 612.

HAB. Forests in the Central Province; rather rare.

This, after a careful analysis of the flower, appears to me to be a true species of *Maranta*.

2. **PHRYNIUM**, Willd.

1. **P. capitatum**, Linn. (Roxb. Fl. Ind. i. p. 8, cum syn.; Wight, Ic. t. 2016.)—c.p. 3123.

HAB. Forests of the Central Province. Nom. vulg. "Atbamikeeriya."

3. **CANNA**, Linn.

1. **C. Indica**, Linn. (Roxb. Fl. Ind. i. p. 1, cum syn.)—c.p. 3706.

HAB. Very abundant, both the red- and yellow-flowered varieties. Nom. vulg. "Bootsarana."

CXLVIII. MUSACEÆ.

1. MUSA, Schreb.

1. *M. sapientum*, Linn. (Willd. Sp. Pl. iv. p. 894; Roxb. Fl. Ind. i. p. 663, cum syn.)—c.p. 3731.

HAB. Rocky woods in the Central Province, common. Nom. vulg. "Wal-kaihel-gass."

There cannot be a doubt that this is the species from which have originated the numerous varieties of sweet Plantains cultivated here

CXLIX. PONTEDERACEÆ.

1. MONOCHORIA, Presl.

(Nom. vulg. "Deya-habarella.")

1. *M. hastæfolia*, Presl, (Kunth, Enum. iv. p. 133, cum syn.)—*Pontederia hastata*, Linn.; Roxb. Fl. Ind. ii. p. 121.—c.p. 3213.

HAB. Common in swampy places in the hotter parts of the island.

This and the following species are used medicinally by the Cinghalese.

2. *M. vaginalis*, Presl, (Kunth, l. c. p. 134, cum syn.)—*Pontederia vaginalis*, Burm.; Roxb. Cor. Pl. ii. p. 110; Fl. Ind. l. c.—c.p. 2315.

HAB. Equally common with the preceding, and in similar places.

3. *M. plantaginea*, Kunth, l. c. p. 135.—*Pontederia plantaginea*, Roxb. Fl. Ind. ii. p. 123.—c.p. 3686.

HAB. Hotter parts of the island; less common than the two preceding species.

CL. COMMELYNACEÆ.

1. COMMELYNA, Dill.

Sect. 1.—*Spatha complicata*.

1. *C. salicifolia*, Roxb. Fl. Ind. i. p. 172; Kth. Enum. iv. 39, cum syn.—An *C. communis*, Linn. forma?—c.p. 2979, 3358.

Var. β ; *angustata*; *foliis* longis, linearibus; *spathis* longe pedunculatis, subfalcatis, valde acuminatis.—c.p. 3215.

HAB. Very abundant. Var. β . Doonbera District. Nom. vulg. "Girrapata."

Var. β , though differing a good deal in general appearance from the present plant as it ordinarily occurs, is notwithstanding, I suspect, merely an extreme form of it.

I do not remember having met with the typical *C. communis*, L., which has the smaller petal very narrow, whilst in the present plant I find the smaller petal varying from wide-cordate to oval.

Sect. 2.—*Spatha turbinato-cucullata*.

2. *C. Benghalensis*, Linn. (Kth. l. c. p. 50, cum syn.; Wight, Ic. t. 2065.)—c.p. 2314.

HAB. Very common in the warmer parts of the island. **Nom. vulg.** "Deya-mainaireya."

Used as a medicine by the Cinghalese.

3. **C. obliqua**, Don, (Prod. Fl. Nep. p. 45; an Vahl, Enum. ii. p. 173?) — *C. Donii*, Dietr.; Kth. l. c. p. 58. *C. paludosa*, Blume, Enum. i. p. 2; Kth. l. c. p. 51; Miquel, Fl. Ind. Bat. iii. p. 533.—c.p. 2326.

HAB. North of Kandy, not very uncommon.

4. **C. longifolia**, Lam. (Vahl, Enum. ii. p. 165?)—c.p. 3224.

HAB. Hot drier parts of the island.

Subglabra vel plus minus pilosa. *Folia* anguste lanceolata, valde acuminata, parce obliqua, 2-6 poll. longa, $\frac{1}{2}$ -1 poll. lata, vagina ad oram pilis rigidulis albis ciliata. *Spathæ* 1-3-næ, parum falcate acuminatæque, externe pilosæ, singulæ pedunculum solitarium 3-florum includentes.

Nearly allied to the preceding species, from which it differs in its smaller size, and in its narrower, more acuminate, and less oblique leaves. It might perhaps be safe to consider it a variety only.

2. ANEILEMA, R. Br.

(**Nom. vulg.** "Tanna-patā.")

1. **A. ensifolium**, Wight, Ic. t. 2074—*A. secunda*, Wight, Ic. t. 2075-1.—c.p. 2324.

HAB. Not uncommon in the south of the island.

2. **A. scapiflorum**, Wight, Ic. t. 2073.

Var. β ; *minus*; *foliis* multo minoribus; *bracteis* parum brevioribus latioribusque.—c.p. 3314.

HAB. Ceylon; *Mrs. Walker*, in *Herb. Hook*. **Var. β ;** Oova District, at an elevation of 5000 feet.

Var. β may possibly prove to be a distinct species, but, without better materials than I at present possess, it is not in my power to determine satisfactorily. It appears to agree in many essential particulars with specimens of *A. scapiflorum*, from Khasia, collected by Drs. Hooker and Thomson.

3. **A. protensum**, Wall. Cat. No. 5218.—*Dictyospermum protensum*, Wight, Ic. t. 2071.—c.p. 3026.

HAB. Kokool-Corle.

4. **A. montanum**, Wight, in Wall. Cat.—*Dictyospermum montanum*, Wight, Ic. t. 2069.—c.p. 2325.

HAB. Not uncommon up to an elevation of 3000 feet.

5. **A. vaginatum**, R. Br. (Kth. Enum. p. 67, cum syn.; Wight, Ic. t. 2076-1.)—c.p. 2328.

HAB. Common in the hotter parts of the island.

6. **A. nanum**, Kth. Enum. iv. p. 65, cum syn.; Wight, Ic. t. 2077-2. — *Commelyna nana*, Roxb. Fl. Ind. i. p. 173.—c.p. 2329.

HAB. Very abundant in damp pastures.

7. **A. nudiflorum**, R. Br. (Kth. l. c. p. 66, cum syn.; Miquel, Fl. Ind. Bat. iii. p. 537.)—c.p. 3027, 3313.

HAB. Common in the warmer parts of the island.

8. **A. dimorphum**, Dalz. in Hook, Journ. of Bot. iii. (1851) p. 138;

Bombay Flor. p. 254.—*A. paniculatum*, Wight, Ic. t. 2075-2.—c.p. 3025.

HAB. Common in the Central Province.

Bractes minutæ, rotundatæ, concavæ, apice incrassatæ, coloratæ, incurvæ. *Folia* glabra vel pilosula.

3. FLOSCOPA, Lour.

Dithyocarpus, Kunth.

1. *F. paniculata*, Hassk. (Miq. Fl. Ind. Bat. iii. p. 512; Benth. Fl. Hongk. p. 377, cum syn.—*Dithyocarpus petiolatus*, *D. Rothii*, et *D. undulatus*, Wight, Ic. tt. 2079, 2080.)—c.p. 553.

HAB. Very common up to an elevation of 4000 feet.

4. POLLIA, Thunb.

Aclisia, E. Meyer

1. *P. Indica*.—*Aclisia Indica*, Wight, Ic. t. 2068.—c.p. 2327.

HAB. Not uncommon in the warmer parts of the island

5. CYANOTIS, Don.

(Nom. vulg. "Goloo-bailoo.")

1. *C. axillaris*, R. et Sch. (Kth. Enum. iv. p. 105, cum syn.)—c.p. 2330.

HAB. Hotter parts of the island.

2. *C. cristata*, R. et Sch. (Kth. l.c. p. 102, cum syn.; Wight, Ic. t. 2082.)—c.p. 3217.

HAB. Common up to an elevation of 3000 feet.

3. *C. pilosa*, R. et Sch. (Kth. l.c. p. 105; Wight, Ic. t. 2083.)—c.p. 2331.

HAB. Newera Ellia and other elevated parts of the island.

4. *C. fasciculata*, R. et Sch. (Kth. l.c. p. 104, cum syn.; Wight, Ic. t. 2086-2.)—c.p. 2433 (2978).

HAB. Very abundant in the Central Province.

5. *C. lanceolata*, Wight, Ic. t. 2085.—c.p. 2332, 3223. Var. *subglabra*.—c.p. 3216.

HAB. Central Province, up to an elevation of 6000 feet.

Closely allied to the preceding species, but distinguished by its much larger size and by the different character of the pubescence, which is silky in this, but lanose in *C. fasciculata*.

CL1. HYPOXIDACEÆ.

1. HYPOXIS, Linn.

1. *H. trichocarpa*, Wight, Ic. t. 2045.—*H. latifolia*, *H. leptostachya*, *H. pauciflora*, et *H. brachystachya*, Wight, Ic. tt. 2044, 2045, 2046.—c.p. 2288. Var. *linearifolia*.—c.p. 2290.

HAB. Central Province, up to an elevation of 5000 feet. Nom. vulg. "Mā-bintal."

A rather variable plant as regards the size and shape of the leaves and the amount of pubescence.

2. CURCULIGO, Gärtn.

1. *C. recurvata*, Dryand. (Roxb. Fl. Ind. ii. p. 145.)—c.p. 3210.

HAB. Saffragam, Moon.

I have never met with this plant in a wild state.

2. *C. orchoides*, Gärtn. (Roxb. Fl. Ind. ii. p. 144, cum syn.)—*C. brenifolia*, Ait.; Wight, Ic. t. 2013.—c.p. 2289.

HAB. Not uncommon in grassy places, up to an elevation of 3000 feet. Nom. vulg. "Heen-bintal."

Extremely variable in the amount of pubescence, in the shape and size of the leaves, and in the number of flowers, and I cannot help suspecting that *C. Malabarica*, Wight, will prove to be a form of it, and perhaps also *C. graminifolia*, Nimmo, of the Bombay Flora.

CLII. AMARYLLIDACEÆ.

1. CRINUM, Linn.

1. *C. Asiaticum*, Linn. (Kth. Enum. v. p. 517, cum syn.)—*C. toxicarium*, Roxb. Fl. Ind. n. p. 131—c.p. 2969.

HAB. Very abundant on the sea-coast of the island. Nom. vulg. "Tolabo."

Frequently planted as a fence for native gardens near the sea.

2. *C. defixum*, Gawl. (Kth. l. c. p. 561, cum syn.)—*C. Asiaticum*, Roxb. l. c. p. 127.—c.p. 2338.

HAB. Hot dry northern parts of the island.

3. *C. ornatum*, Herb. (Kth. l. c. p. 573, varr. α et β , cum syn.)—*C. Zeylanicum*, Linn.; Roxb. l. c. p. 139. Var. α , c.p. 3734. Var. β , c.p. 3735.

HAB. Warmer parts of the island. Nom. vulg. "Goda-mānil."

2. PANCRATIUM, Linn.

1. *P. Malabaricum*, Herb. (Kth. Enum. v. p. 661, cum syn.)—c.p. 2939.

HAB. On the banks of rivers and streams, up to an elevation of 2000 feet. Nom. vulg. "Deya-mānil."

2. *P. Zeylanicum*, Linn. (Kth. l. c. p. 662, cum syn.; Roxb. Fl. Ind. ii. p. 121)—c.p. 3211.

HAB. Amongst grass, in the warmer parts of the island. Nom. vulg. "Wal-Loonoo."

The Cinghalese employ the bulbs medicinally.

P. verecundum, Soland., stated to be a native of the island, I have never met with here, either wild or under cultivation.

CLIII. BURMANNIACEÆ.

(Includ. *Taccaceas*; auct. J. D. Hooker.)

1. BURMANNIA, Linn.

1. *B. distachya*, R. Br. Prod. p. 52.—*B. disticha*, Linn.; Roxb. Fl. Ind. ii. p. 117, cum syn.—c.p. 2313.

HAB. Common in the hotter parts of the island. Nom. vulg. "Mā-deya-jāwāla."

2. *B. Championii*, Thw.; caule filiformi, simplici, aphylo, squamoso; floribus subcapitatis; perigonii tubo 3-costato, nec alato.—*B. pseudo-alata*, Champ MSS.—c.p. 2735.

HAB. Saffragam District and Hinidoon Corle.

Tota planta albidā, 4-8-pollicaris. Squamæ caulis sparsæ, lanceolatæ, 2 lin. longæ. Flores 9-12, circiter 3 lin longi. Perigoni lobī majores lanceolati, marginibus involutis, minores lineares, truncati.

3. *B. pusilla*.—*Gonyanthes pusilla*, Miers, in Linn. Soc. Trans. xviii. p. 537, t. 38. f. 3.—c.p. 3023. Var. β; parum elatior, alis tubi perigoni angustioribus.—c.p. 2312.

HAB. Var. α; North of the island, *Gardner*. Trincomale, *Rev. S. O. Glenie*. Var. β; Cultura, *Gardner*; Kokool Corle.

There does not appear to me sufficient difference in the seed-vessels of the preceding three species to make it desirable to constitute two genera of them. I observe in my specimens of *B. distachya*, a disposition in the capsules to split transversely about their middle, just as takes place in the present species

2. THISMIA, Griff.

Tribrachys, Champion.

1. *T. Gardneriana*, Hk. f. MSS.; caule unifloro, perianthii lobis latioribus rotundatis.—*Tribrachys Gardneriana*, Champ. MSS. et Ic. in Herb. Hook.

HAB. Galle, *Champion* (Herb. Hook.).

I have never met with this species. "Very nearly allied to *T. Brunonis*, Griff. Linn. Trans. xix. 341. t. 39, but differs in the solitary flower and broader lobes of the perianth."—*J. D. H.*

3. TACCA, Forst.

1. *T. pinnatifida*, Forst. (Roxb. Fl. Ind. ii. p. 172; Miquel, Fl. Ind. Bat. iii. p. 566, cum syn.)—c.p. 2320.

HAB. North of the island, *Gardner*. Trincomale, *Rev. S. O. Glenie*.

CLIV. DIOSCOREACEÆ.

1. DIOSCOREA, Linn.

1. *D. pentaphylla*, Linn. (Kth. Enum. v. p. 396, cum syn.; Wight, Ic. t. 814.)—*D. triphylla*, Linn.; Kth. l. c. p. 392, cum syn.—c.p. 2869.

HAB. Very abundant in the warmer parts of the island. Nom. vulg. "Kattoo-wella."

The tuberous roots of this and of the following species, excepting *D. bulbifera*, are eaten by the Cinghalese.

2. *D. tomentosa*, Koenig. (Roxb. Fl. Ind. iii. p. 805.)—*Helmia* ? *tomentosa*, Kth. l. c. p. 439; Wight, Ic. t. 815.—C.P. 2304.

HAB. Common up to an elevation of 2000 feet. Nom. vulg. "Ooyala."

3. *D. bulbifera*, Linn. (Willd. Sp. Pl. iv. p. 793, cum syn.; Wight, Ic. t. 878.)—*Helmia bulbifera*, Kth. l. c. p. 435, cum syn.—C.P. 2977.

HAB. Very common on the banks of rivers and streams up to an elevation of 2000 feet. Nom. vulg. "Pannoo-Condöl."

The tubers of this species are employed by the Cinghalese for attracting fish to certain spots where they can be easily caught. The tubers are broken into pieces and thrown into the water daily for some time.

4. *D. oppositifolia*, Linn. (Roxb. l. c. p. 804; Wight, Ic. t. 813.)—C.P. 2303.

HAB. Abundant in the hotter parts of the island. Nom. vulg. "Hirri-talla."

Tota planta plus minus villosula, folus denique subglabris

5. *D. intermedia*, Thw.; glaberrima, inermis; caule tereti; foliis oppositis vel alternis, ellipticis oblongisque, acuminatis, mucronatis, 3-nerviis; nervis lateralibus margine subparallelis et exinde costa distantibus; spicis FÆM. solitariis, simplicibus, folio subaequilongis; MASC.: folio brevioribus, fasciculatis vel longiuscule paniculatis.—C.P. 2870, 3022.

HAB. Hotter parts of the island, not very common

Folia circiter 3 poll. longa, $\frac{3}{4}$ –1 $\frac{1}{2}$ poll. lata, petiolo $\frac{1}{2}$ –1 poll. longo. Spicæ masculæ pollicares vel parum ultra Flores 6-andri

Allied to the preceding, but differs in being entirely glabrous, in the leaves having their lateral nervures more distant from the costa, and in the male flowers being less crowded and on somewhat longer spikes. The present is well distinguished from the following species, some forms of which it closely resembles, by its shorter and more numerous spikes of male flowers, and the more diverging lateral nervures of its leaves.

6. *D. spicata*, Roth. Pl. Nov. p. 571 P a; foliis basi acutis.—C.P. 2871. β ; foliis basi rotundatis, cordatis vel etiam profunde cordatis.—C.P. 2872, 3119.

HAB. Very common in the Central Province, up to an elevation of 4000 feet.

Glabra, inermis. Folia alterna vel opposita, elliptica vel oblonga, acuminata, mucronata, 3–5 vel rarius 7-nervia, prominentum reticulata, petiolo $\frac{1}{2}$ – $\frac{3}{4}$ poll. longo. Spicæ sparsifloræ, sæpius valde elongatæ, FÆM solitariæ, MASC. solitariæ vel binæ, aliquando parce ramosæ. FLOR. MASC. 6-andri. FLOR. FÆM. stigmatibus subsessilibus, parvis, simplicibus, reflexis staminibus sterilibus linearibus, apicæ emarginatis.

Dioscorea sativa, Linn. (nom. vulg. "Kattoo-kookoolala," "Jaa-waal,"), *D. alata*, Linn. (nom. vulg. "Kirri-koudöl," "Kahata-koudöl," "Langoorella"), and *D. purpurea*, Roxb., are cultivated in native gardens

CLV. PANDANEE.

1. PANDANUS, Linn.

1. *P. odoratissimus*, Linn. (Roxb. Plant. Cor. tt. 94, 95, 96; Flor. Ind. iii. p. 738, cum syn.; Miq. Fl. Ind. Bat. iii. p. 156, cum syn.)—An *P. fascicularis*, Willd. ?—c.p. 3739.

HAB. Very abundant near the sea. Nom. vulg. "Moodoo-kaiyeya."

Stamina in racemulis numerosis ramos spadicis masculi dense investientibus.

The aerial roots are used medicinally by the Cinghalese.

2. *P. humilis*, Rumph. (Miq. l. c. p. 160, cum syn.)—c.p. 3740.

HAB. Used as a fence-plant for paddy-fields in the warmer parts of the island. Nom. vulg. "Doonoo-kaiyeya."

Stamina simplicia, densissime conferta in ramos spadicis masculi, filamentis brevissimis. *Capitula fructus maturi* singula 4-6 poll. longa, 3-4 poll. lata.

The leaves of this plant are made into mats by the Cinghalese.

3. *P. furcatus*, Roxb. Fl. Ind. iii. p. 744; Miq. l. c. p. 162, cum syn. t. 37.—c.p. 2734.

HAB. Similar situations with the last. Nom. vulg. "O-kaiyeya."

Stamina penicillatim disposita, ad apices pedunculorum numerosorum ramos spadicis masculi arcte tegentium

2. FREYCINETIA, Gaud.

1. *F. radicans*, Gaud. in Freyc. It. Bot. p. 432. t. 43; Miq. Fl. Ind. Bat. iii. p. 171.—An *F. insignis*, Blume, Rumph. p. 158, t. 42, forma minor ?—c.p. 2333.

HAB. Southern and Central Provinces, up to an elevation of 4000 feet, climbing over the trunks and branches of large trees.

Capitula fructus maturi 2-3 poll. longa, pulchre rubra.

2. *F. angustifolia*, Blume, l. c. p. 159, t. 43; Miq. l. c. cum syn.—c.p. 366.

HAB. In similar situations with the preceding, and more abundant.

3. NIPA, Rumph.

1. *N. fruticans*, Thunb. (Miq. Fl. Ind. Bat. iii. p. 150, cum syn.)—c.p. 3333.

HAB. Mangrove swamps in the south of the island. Nom. vulg. "Gim-pöl."

CLVI. PALMACEÆ.

TRIB I. ARECINEÆ, Mart.

1. ARECA, Linn.

1. *A. Catechu*, Linn. (Roxb. Pl. Cor. i. p. 51, t. 75; Fl. Ind. iii. p. 615; Miq. Fl. Ind. Bat. iii. p. 8, cum syn.)—c.p. 3471.

HAB. Abundant in native gardens throughout the warmer parts of the island. Nom. vulg. "Poowak-gass."

An apparently larger form of this (*Ar. alba*, Rumph., Miq., haud Willd.) occurs sparingly in native gardens, but it is said to have been introduced and not to be indigenous to the island. The seeds of both kinds are used by the natives as a masticatory with Betel.

2. *A. concinna*, Thw.; inermis, caudice tenui, simplici, annulato; frondibus paucis, pinnatisectis, subglabris; segmentis falcatis, valde acuminatis; terminalibus brevioribus, plus minus confluentibus, truncatis, apice dentatis; spadice ramoso; floribus ut in *A. Catechu* dispositis; MASC.: 6-andris; petalis ovato-lanceolatis, quam sepala rotundato-oblonga fere 3-plo longioribus; ovarii rudimento trigono-claviformi; FÆM.: drupa fibrosa, subfusiformi, umbonata; albumine ruminato.—“*Areca Dicksonii*, Roxb.?” Moon’s Cat. p. 66.—c.r. 620.

HAB. Forests in the Reigam and Pas-doon Corles. Nom. vulg. “Laina-terri-gass.”

Caudex 9-12-pedalis, viridis, $1\frac{1}{2}$ -1- $\frac{3}{4}$ poll. in diam. Frondes circiter 7, 3-3 $\frac{1}{2}$ ped longæ (excl. basi vaginante 16 poll. longæ) segmentis mediis 2 ped longis, 2 $\frac{1}{2}$ poll. latis. Drupa se-quipollens, flavo-rufescens.

Apparently closely allied to *A. pumila*, Blume, Rumph. t. 99 (haud Mart.), but the male flowers of the present plant are biserial, not uniserial as described in Blume’s species. The Cinghalese chew the albumen of the seeds with their Betel.

2. PTYCHOSPERMA, Labill., Miq.

Sect. *Spiranthæ*, Miq.

1. *P. rupicola*, Thw.; inermis; caudice clato, simplici, annulato; frondibus subglabris, pinnatisectis, segmentis lanceolatis, oblique acuminatis, terminalibus plus minus confluentibus, præmorsio-dentatis, nervo medio superne prominenti, subtus squamoso; FLOR. MASC.: 12-andris; petalis acutis, quam sepala rotundata obtusa 4-5-plo longioribus; ovarii rudimento parvo; FLOR. FÆM.: sepalis petalisque rotundatis, obtusis, ovario rotundato, acuminato; stigmatibus minutissimis, ovulo pendulo.—“*Caryota mitis*, Willd.?” Moon’s Cat. p. 65.—c.p. 2732.

HAB. Rocky places in forests of the Southern and Central Provinces, at no great elevation. Nom. vulg. “Dotaloo-gass.”

Caudex 30-40-pedalis, 4-5 poll. in diam. Frondes 6-8-pedales, basi vaginante 15 poll. longæ. Spathæ complete 2, acuminatæ, externe parve furfuraceæ, exterior crista acuta, $\frac{1}{2}$ poll. lata marginata. Spadix valde ramosus, pallide ochraceus, plus minus rufescens, sesquipedalis, pedunculo brevi. Drupa fibrosa parva carnosæ, subspherica, $\frac{1}{2}$ poll. in diam., abrupte obliqueque acuminata. Semen pendulum, albumine ruminato, coccineo-variegato.

The seeds of this are used by the Cinghalese with their Betel, as a substitute for those of the *Areca Catechu*.

3. ONCOSPERMA, Blume.

1. *O. fasciculata*, Thw.; stolonifera; caudice clato, aculeato; frondium segmentis secus rachin fasciculatis, 4-7-nis, 4-7-stiche (vel subspiraliter) dispositis, apicibus dependentibus; spathis spadiceque inermibus.—“*Caryota horrida*, Moon’s Cat. p. 64 (haud Willd.)—c.p. 2337.

HAB. Forests in the Central Province, up to an elevation of 5000 feet. Nom. vulg. “Kattoo-kittool.”

Caudex 30-40-pedalis vel ultra, 5-6 poll. in diam., aculeis numerosis nigris compressis flexilibus patentibus armatus. Frondes (excl. basi vaginante externe furfuraceæ

aculeataque 2½ ped. longa) 8-pedales; *rachide* fusco-furfuracea basin versus plus minus aculeata; *laminae segmentis* lanceolatis, valde acuminatis, 12-18 poll. longis, 1-1½ poll. latis, basi parum induplicatis, nervo medio superne prominente subtus parce squamoso. *Spathæ completa* 2, parvissime furfuracea. *Spathæ* 2-pedalis, ramosus, densiflorus (2 masc. 1 fem. in scrobic.). *FLOR. MASC.* 9-andri, *ovario sterili* majusculo, fere ad basin tritido, segmentis cylindricis. *Drupa* sphaerica, semipollicaris, nigro-purpurea. *Albamen* rummatum, albidum, ochraceo-variegatum.

Distinguished from *Oncosperma filamentosa*, Blume (*Areca Nibung*, Mart.), and *Areca horrida*, Griff., by its 9-androus male flowers and the fasciculate arrangement of the laminae of its fronds.

4. CARYOTA, Linn.

1. *C. urens*, Linn. (Roxb. Fl. Ind. iii. p. 625, cum syn.)—C.P. 3742.

HAB. Southern and central parts of the island, up to an elevation of 2000 feet; principally in native gardens. Nom. vulg. "Kittool-gass."

From the flowering stems of this plant toddy is drawn, from which a coarse kind of sugar is made by the Cinghalese. The wood is useful for building purposes.

TRIB II. BORASSINEÆ, Mart

5. BORASSUS, Linn.

1. *B. flabelliformis*, Linn. (Roxb. Cor. Pl. i. p. 50, tt. 71, 72; Fl. Ind. iii. p. 790.)—C.P. 3743

HAB. Hot, drier, and especially the northern parts of the island. Nom. vulg. "Tal-gass."

Where this tree grows in abundance it is second only to the Cocoa nut in value to the native population, every part of the plant being made available for some useful purpose.

TRIB III CORYPHINÆ, Mart

6. CORYPHA, Linn.

1. *C. umbraculifera*, Linn. (Miq. Fl. Ind. Bat. iii. p. 49, cum syn.)—C.P. 2336.

HAB. Southern and central warm moister parts of the island. Nom. vulg. "Talla-gass."

Mats, useful for constructing temporary dwellings and for other purposes, are made from the large fronds of this tree.

7. PHŒNIX, Linn.

1. *P. sylvestris*, Roxb. Fl. Ind. iii. p. 787, cum syn.—*Palma dactylifera minor*, etc., Burm. Thes. Zeyl. p. 183, cum syn.—C.P. 3172.

HAB. Very common in the hotter parts of the island.

Caude 8-10-pedalis. *Drupa* 6 lin. longa, 3-3½ lin. lata, nitida, rubro-nigrescente.

The Cinghalese eat the sweetish pulp of the ripe seeds, and construct mats and betel-boxes of the leaves.

TRIB. IV. *COCOINÆ*, Mart.8. *COCOS*, Linn.

1. *C. nucifera*, Linn. (Roxb. Pl. Cor. i. p. 52, t. 73; Fl. Ind. iii. p. 614; Miq. Fl. Ind. Bat. iii. p. 64, cum syn.)—c.p. 3744.

HAB. Commonly cultivated throughout the warmer parts of the island. Nom. vulg. "Pol-gass."

The value of this tree is so well known, that it is unnecessary here to make any observations on the subject.

TRIB. V. *LEPIDOCARYINÆ*, Mart.9. *CALAMUS*, Linn.

Nom. vulg. "Waiwel."

1. *C. longisetus*, Griff. Palms of British India, p. 42, tt. 189, A, B. (Martius, Gen. et Sp. Palm. p. 332; Miq. Fl. Ind. Bat. iii. p. 114.)—c.p. 2873.

HAB. Hantani District, in the Central Province, at an elevation of 2000 to 3000 feet.

Planta frœm. Flores secus ramulos spadiceis per paria (1 masc., 1 hermaph.) dispositi. *Drupa* obovata (includ. rostro obtuso 2 lin. longo), pollicaris, squamis majusculis, in 5 vel 6 spiris, ochraceis, margine fuscis.

Closely allied to *C. erectus*, Roxb. (*C. schizospathus*, Griff. l. c. p. 41), of which I have specimens from Dr. Hooker, but besides the differences pointed out by Griffith in the work quoted, the rostrum of the fruit in the present species is longer and its scales larger and fewer than in *C. erectus*.

2. *C. rudentum*, Lour. (Willd. Sp. Pl. ii. p. 203; Roxb. Fl. Ind. iii. p. 776.)—*Palmaejuncus albus*, Rumph. Amboin. v. p. 102, t. 53.—c.p. 2874.

HAB. Hotter parts of the island. Nom. vulg. "Mā-waiwel."

3. *C. Roxburghii*, Griff. l. c. p. 55, t. 112.—*C. Rotang*, Roxb. l. c. p. 777 (non Linn. neque Willd. nisi partim).—c.p. 3388.

HAB. Common in the hotter parts of the island.

4. *C. gracilis*, Roxb. l. c. p. 781; Griff. l. c. p. 64, t. 196, cum syn.—c.p. 2334.

HAB. South of the island.

Frondis laminæ latitudine valde varia, secus rachin fasciculatæ vel nonnunquam flabellatim apicales. *Spadices masculi* 3–5-pollicares. *Flores* plus minus conferti *Spad. frœm.* nondum vidi.

5. *C. tenuis*, Roxb. l. c. p. 780; Griff. l. c. p. 57, tt. 93, A, B, C.—*C. monoicus*, Roxb. l. c. p. 789?—c.p. 2335.

HAB. Hotter parts of the island, not very uncommon.

Tota planta, frondium laminis exceptis, plus minus fugaci-ferrugineo-furfuracea. *Spadices masc.* supradecompositi, *ramulis florigeris* brevibus, recurvis, paucifloris. *Flores* distichi, conferti.

6. *C. delicatulus*, Thw.; *frondis laminis* numerosis, æquidistantibus, lineari-lanceolatis, valde acuminatis, margine et utrinque ad nervos longiuscule setigeris; *rachide* fugaci-ferrugineo-furfuracea, carina aculeis uncinatis armata; *spadicibus masculis* valde elongatis, filiformibus, de-

compositis vel parum supradecompositis; *spathis* inermibus, basi attenuatis, apice longiuscule ciliati; *floribus* alternatim distichis, parum distantibus.—C.P. 3159.

HAB. Galle District.

Frondis lamina 8 poll. longæ, $\frac{1}{2}$ poll. latæ. *Spad. masc. rami* floriferi circiter 18, singuli 1–5 poll. longi. *Bractea* bracteolæque minutæ. FLOR. MASC. *Calyx* urceolatus, 3-dentatus. *Corolla* duplo longior, fere ad basin tripartita, segmentis oblongis, acutis. *Stamina* filamentis longiusculis, subheris. *Ovarii rudimentum* minutum.

I regret not being able at present to obtain sufficient materials to draw up so complete a description as could be desired of this apparently very distinct species.

CLVII. TYPHACEÆ.

1. TYPHA, Linn.

1. *T. angustifolia*, Linn. (Kunth, Enum. iii. p. 91, cum syn.; Miq. Fl. Ind. Bat. iii. p. 173, cum syn.; Roxb. Fl. Ind. iii. p. 567.)—*T. elphantina*, Roxb. l. c. p. 566.—C.P. 3218.

HAB. Warmer parts of the island, not very common.

CLVIII. PISTIACEÆ.

1. PISTIA, Linn.

1. *P. Stratiotes*, Linn. (Roxb. Fl. Ind. iii. p. 131, cum syn.; Miq. Fl. Ind. Bat. iii. p. 218, cum syn.)—C.P. 3334.

HAB. Warmer parts of the island. Nom. vulg. "Deya-parandella."

2. LEMNA, Linn.

1. *L. minor*, Linn.; Kunth, Enum. iii. p. 4, cum syn.—C.P. 2379.

HAB. Not uncommon.

2. *L. polyrrhiza*, Linn.; Eng. Bot. t. 2458?—*L. major*, Griffith, Nolulæ (Monocot.), p. 220, t. 264. An *L. orbiculata*, Roxb. Fl. Ind. iii. p. 565?—C.P. 2378.

HAB. North of the island. Gardner.

CLIX. HYDROCHARIDEÆ.

1. HYDRILLA, Rich.

1. *H. verticillata*, Casp. in Pringsh. Jahrb. i. 494.—*H. dentata*, Casp. Bot. Zeit. (1854) p. 56. *H. Wightii*, Planch. Ann. des Sc. Nat. (Botanique) 3me ser. xi. p. 79. *H. ovalifolia*, Rich. *H. angustifolia*, Blume, Mus. Bot. Lugd. Bat. i. p. 82. *Vallisneria verticillata*, Roxb. Fl. Ind. iii. p. 751. *Serpicula verticillata*, Roxb. Pl. Cor. t. 164.—C.P. 2310 (2305, 2309).

HAB. Common in the warmer parts of the island.

Fructus (in meis specim.) demum dimidio superiore filamentis paucis longiusculis acutis squarrosis appendiculato.

2. **NECHAMANDRA**, Planch.

1. *N. alternifolia*.—*N. Roxburghii*, Planch. Ann. des Sc. Nat. (Bot.) 3me ser. xi. p. 78 (excl. syn. Roxb. Pl. Cor. t. 165). *Vallisneria alternifolia*, Roxb. Fl. Ind. iii. p. 750.—c.p. 3176.

HAB. Batticaloa District.

3. **BLYXA**, Thouars.

1. *B. octandra*, Planch. in Hb. Hook.—*B. Griffithii*, Planch. in Hb. Hook. *B. Roxburghii*, Rich.; Miq. Fl. Ind. Bat. iii. p. 237, cum syn. *Vallisneria octandra*, Roxb. Pl. Cor. t. 165; Fl. Ind. iii. p. 752. *Diosiphon oryzetarum*, Dcne., in Jacq. Voy. Bot. 167.—c.p. 237.

HAB. Common in the warmer parts of the island.

FLOR. HERMAPHR. : *Stamina* 3, cum perianthii laciniis interioribus alternantia, antheris linearibus polliniferis. *Pollen* sphericum, echinulatum

In all the female flowers I have examined of this plant I have found three stamens alternating with the inner lobes of the perianth.

4. **ENHALUS**, L. C. Rich.

1. *E. marinus*, Griff. Not. (Monocot.) p. 178, tt. 249, 250.—*E. acoroides*, Rich.; Zoll. Cat. p. 60. *E. Koenigii*, Rich.; Miq. Fl. Ind. Bat. iii. p. 237. *Stratiotes acoroides*, Linn. f.; Willd. Sp. Pl. iv. p. 820. *Acorus marinus*, Rumph. Herb. Amb. vi. p. 191, t. 75, f. 2.—c.p. 2296.

HAB. Jaffna, Gardner.

5. **OTTELIA**, L. C. Rich.

1. *O. alismoides*, Pers. Syn. p. 400, cum syn.—*Damasonium Indicum*, Willd.; Roxb. Pl. Cor. t. 185. *Stratiotes alismoides*, Linn.—c.p. 2316.

HAB. Common in the warmer parts of the island.

CLX. **ALISMACEÆ**.1. **ALISMA**, Juss.

1. *A. glandulosum*, Thw.; acaule, foliis longe petiolatis, ovatis, subacutis, subtus sparsim glanduloso-punctatis, profunde cordatis, lobis posticis ovatis approximatis parum acutis; scapo foliis subæquilongis, apice paniculato, multifloro; floribus 3-nis, longe pedicellatis, 6-andris; carpidiis 4-5, dorso 4-costatis, costis margine tuberculatis.—c.p. 2318.

HAB. Tanks in the hotter northern parts of the island.

Folia 6-8 poll. longa, 4-5 poll. lata, petiolo 2-4-pedali vel ultra. Bracteæ majusculæ, lanceolatæ, acuminatæ. Flores parvi, sepalis petalisque rotundatis.

2. *A. obtusifolium*.—*Sagittaria obtusifolia*, Linn.; Kunth, Enum. iii. p. 158, cum nota ("potius *Alismatis* species?"); Roxb. Fl. Ind. iii. p. 646.—*Culi-tamara*, Rheed. Hort. Mal. xi. t. 45.—c.p. 2317.

HAB. In similar situations with the last species.

CLXI. NAJADACEÆ.

1. CYMODOCEA, Kœnig.

1. *C. æquorea*, Kœn. (Kunth, Enum. iii. p. 118, cum syn.)—C.P. 2380.

HAB. Point de Galle, *Gardner*.

2. THALASSIA, Soland.

1. *T. stipulacea*, Kœn. (Kunth, Enum. iii. p. 120, cum syn.)—C.P. 3055.

HAB. Trincomalee, *Prof. W. H. Harvey*.

3. POSIDONIA, Kœn.

1. *P. serrulata*, Spr. (Kunth, Enum. iii. p. 122, cum syn.)—C.P. 3056.

HAB. Trincomalee, *Prof. W. H. Harvey*, *Rev. S. O. Glenie*.

Folia linearia (in meis specim.), 6 poll. longa, $\frac{1}{4}$ poll. lata, 15-nervia, apice rotundata, argute serrulata, *basi* vaginante sesquipollicari, *ligula* brevissima truncata. Inflorescentiam nondum vidi.

4. RUPPIA, Linn.

1. *R. subsessilis*, Thw.; *fasciculis* versus pedunculi apicem per paria approximatis, hinc *floribus* 2-3-subverticillatis; *nuculis* maturis obtuse obovatois, subsessilibus.—C.P. 3214.

HAB. Jaffna, *Moon*.

5. APONOGETON, Thunb.

Nom. vulg. "Kaikateya."

1. *A. monostachyon*, Linn. f. (Roxb. Pl. Cor. i. t. 81; Fl. Ind. ii. p. 210, cum syn.)—C.P. 2307.

HAB. North of the island, *Gardner*.

2. *A. crispus*, Thunb.; Spr. Syst. ii. 465.—*A. undulatus*. Roxb. Fl. Ind. ii. p. 211.—C.P. 2306, 2308, 3381.

HAB. Central Province, up to an elevation of 6000 feet.

Folia oblonga, lanceolata vel linearia, basi cordata vel acuta, breve vel longiuscule petiolata.

The larger, more translucent, and transversely-veined leaves of the present species at once distinguish it from the preceding. The roots are eaten by the Cinghalese.

6. POTAMOGETON, Linn.

1. *P. natans*, Linn. (Kunth, Enum. iii. p. 127, cum syn.)—C.P. 590.

HAB. Ambagamowa District.

2. *P. pectinatus*, Linn. (Kunth, l. c. p. 137, cum syn.)—C.P. 3531.

HAB. Cultura.

CLXII. AROIDEÆ.

TRIB. I. *EUAROIDEÆ*.1. *CRYPTOCORYNE*, Fisch.

1. *C. spiralis*, Fisch.; Wight, Ic. t. 773.—*Ambrosinia spiralis*, Roxb. Fl. Ind. iii. p. 492.

HAB. Ceylon, *Walker (Herb. Hook.)*.

I have not met with this species, nor are there specimens of it in this Herbarium.

2. *C. Thwaitesii*, Schott, Prod. Syst. Aroid. p. 14.—c.p. 3464.

HAB. Singhe-rajah forest, and at Hewessee, in the Pas doon Corle.

Folia obovata, basi apicque parum angustata, superne punctis elevatis densissime ornata, margine elegantule undulata, 1-3 poll longa, $\frac{3}{4}$ -1 $\frac{1}{4}$ poll lata, basi cordata, lobis posticis rotundatis, *petiolo* subæquilongo. *Scapus* brevissimus *Spatha* oblonga, in rostrum longiusculum gradatim angustata, nec torta.

2 *LAGENANDRA*, Dalzell.

1. *L. ovata*.—*L. toxicaria*, Dalz. in Hook. Journ. of Bot. iv. (1852) p. 289; Miq. Fl. Ind. Bat. iii. p. 192, cum syn. *Arum ovatum*, Linn. *Karin-pola*, Rheed. Hort. Mal. xi. p. 45, t. 23.—c.p. 3315.

HAB. Very abundant in the Central Province, etc. Nom. vulg. "Kettulla."

2. *L. lancifolia*.—*Cryptocoryne lancifolia*, Schott, l. c. p. 15.—c.p. 3173, 3174.

HAB. Banks of rivers and streams, in the southern and central parts of the island. Nom. vulg. "Atta-oodiyang."

The roots are used mediemally

Folia ovato-lanceolata vel lanceolata, acuminata, superne sparse subius dense albedo punctulata, basi rotundata vel acuta, 2-4 poll longa, $\frac{3}{4}$ -1 $\frac{1}{2}$ poll lata; *petiolo* subæquilongo. *Scapus* brevis. *Spatha* oblonga, plus minus rugosa, in rostrum abrupte vel gradatim angustata, 1-2-pollicaris, purpureascent, interne atro-purpurea. *Ovaria* 30-40, circa medium sub stigmatate comco minute tuberculata

3. *L. Koenigii*.—*Cryptocoryne Koenigii*, Schott, l. c. p. 16; *foliis* longiusculis, linear-lanceolatis, acuminatis, sessilibus; *scapo* foliis brevior; *spatha* longe et gradatim acuminata.—c.p. 3496.

HAB. Singhe-rajah forest, between Galle and Katnapoora.

Folia 1-2-ped. longa, 3-8 lin lata, subtus albedo-punctulata. *Scapus* 2-8 poll longus. *Ovaria* circiter 30. *Semina* 2 $\frac{1}{2}$ lin. longa, pluri-alato-costata.

3. *ARUM*, Linn.

Sect.—*Spadix apice subulato*. Typhonium, Schott.

1. *A. divaricatum*, Linn. (Benth. Fl. Hongkong. p. 342, cum syn.)—*Typhonium divaricatum*, Blume, Rumph. i. p. 130, t. 36; Miq. l. c. p. 192, cum syn.—c.p. 3666.

HAB. Common in the hotter parts of the island.

2. *A. trilobatum*, Linn. (an Roxb.?)—*Typhonium trilobatum*, Schott; Miq. Fl. Ind. Bat. iii. p. 194, cum syn. *A. Orizense*, Roxb. Fl. Ind. iii. p. 503; Wight, Ic. t. 801.—c.p. 2896. -

HAB. Very common in damp grassy places in the Central Province.
Nom. vulg. "Panoo-alla."

The leaf of Roxburgh's *A. Orizense*, as figured by Wight, is so similar in form to that of the present plant, that I cannot doubt their being the same species, and that the drawing of the inflorescence of the former must be incorrect. The Cinghalese employ the bruised roots to destroy maggots in the sores of cattle.

4. ARISÆMA, Mart.

1. *A. curvatum*, Kunth, Enum. iii. p. 20, cum syn.—*Arum curvatum*, Roxb. Fl. Ind. iii. p. 506; Wight, Ic. t. 788.

HAB. Ceylon, Walker. (*Herb. Hook.*)

2. *A. filiforme*, Blume, Rumph. 1. p. 102, t. 28.—An *A. curvati*, Kunth, var. ?—c.p. 3118.

HAB. South of the island.

In my specimens the five folioles are radiate, not pedate as in Blume's figure, but in other respects the resemblance appears to be perfect.

3. *A. papillosum*, Steud. (Schott, Synop. Aroid. p. 31.)—An *A. erubescens*, Sch. l. c. p. 30 ?—c.p. 546.

HAB. Central Province, at an elevation of 4000 to 6000 feet. **Nom. vulg.** "Wal-kidāran."

The roots are employed as a medicine by the Cinghalese

5. AMORPHOPHALLUS, Blume.

1. *A. campanulatus*, Bl. Rumph. i. p. 144, tt. 32, 33; Miq. Fl. Ind. Bat. iii. p. 201, cum syn.; Wight, Ic. t. 785.—c.p. 2823.

HAB. Hotter parts of the island, especially near the sea. **Nom. vulg.** "Kidāran."

The Cinghalese eat the roots of the cultivated variety (**nom. vulg.** "Kanna-kidāran") of this plant, and use those of the wild one medicinally

2. *A. Zeylanicus*, Blume, l. c. p. 148.—*Brachyspatha Zeylanica*, Schott, Synop. Aroid. p. 36.

HAB. Between Tangulle and Matura, Kœnig. (*Blume, l. c.*)

I have not been so fortunate as to meet with this or with the next species, nor are there specimens of either in this Herbarium.

3. *A. dubius*, Blume, l. c. p. 142.—*Schena*, Rheed. Hort. Mal. xi. p. 35, t. 18.

HAB. Ceylon, Rheede, l. c.

6. COLOCASIA, Ray.

1. *C. antiquorum*, Schott, Syn. Aroid. p. 40, cum syn. (Miq. Fl. Ind. Bat. iii. p. 202, cum syn.)—*Arum Colocasia*, Linn.; Roxb. Fl. Ind. iii. p. 494. *A. nymphaeifolium*, Roxb. l. c. p. 495; Wight, Ic. t. 786.—c.p. 324.

HAB. Very abundant on the banks of streams and other damp places. **Nom. vulg.** "Gahala."

The very young leaves of this, and the tubers and young leaves of the cultivated variety (**nom. vulg.** "Kaudalla") are eaten by the Cinghalese.

2. *C. macrorrhiza*, Schott, Mel. i. 18; Kunth, Enum. iii. p. 38.—*C. odora*, Brongn. Kunth, l. c. p. 39; Benth. Fl. Hongkong. p. 343, cum syn. *Alocasia macrorrhiza*, Schott, Miq. l. c. p. 205, cum syn. *Arum odorum*, Roxb. l. c. p. 499. *A. macrorrhizum*, Linn. Sp. 1369; Fl. Zeyl. no. 327.—c.p. 3725.

HAB. Warmer parts of the island. Nom. vulg. "Habarella."

The tubers and young leaves of the cultivated, and the very young leaves of the wild plant, are eaten by the Cinghalese.

3. *C. cucullata*, Schott, Mel. i. 18; Kunth, l. c. p. 38, cum syn.—*Alocasia cucullata*, Schott, Syn. Aroid. p. 48. *Arum cucullatum*, Lour.; Roxb. l. c. p. 501; Wight, Ic. t. 787.—c.p. 3746.

HAB. On the roadside between Caltura and Galle: possibly not truly indigenous.

4. *C. vivipara*.—*Remusatia vivipara*, Schott; Kunth, l. c. p. 36; Wight, Ic. tt. 798, 900. *Arum viviparum*, Roxb. l. c. p. 496.—c.p. 3223.

HAB. Common in forests of the Central Province.

C. Indica is cultivated in native gardens as a vegetable

TRIB. II. ORONTIEÆ.

7. LASIA, Lour.

1. *L. spinosa*.—*L. heterophylla*, Schott; Miq. Fl. Ind. Bat. iii. p. 176, cum syn. *L. Hermannii*, Schott. *Pothos heterophylla*, Roxb. Fl. Ind. i. p. 437; Wight, Ic. t. 777. *Dracontium spinosum*, Linn. Fl. Zeyl. No. 328.—c.p. 2978 (3315 partim).

HAB. Warmer parts of the island, not uncommon. Nom. vulg. "Kohilla," "Mahakohilla."

A very variable species. The leaves and roots are used as a vegetable in curries, and are also employed medicinally by the Cinghalese.

8. SCINDAPSUS, Schott.

1. *S. Peepla*, Schott, Mel. i. 21; Kunth, Enum. iii. p. 62.—*Rhaphidophora Peepla*, Schott, Prodr. Aroid.; Benth. Fl. Hongkong. p. 344, cum syn. *Pothos Peepla*, Roxb. Fl. Ind. i. p. 433; Wight, Ic. t. 780.—c.p. 3667.

HAB. Not uncommon in the Central Province, growing over the trunks of large trees.

2. *S. decursivus*, Schott, Mel. i. 21. (Kunth, l. c. cum syn.; Miq. Fl. Ind. Bat. iii. p. 186, cum syn.)—*Rhaphidophora decursiva*, Schott, Gen. Aroid. t. 77. *Pothos decursivus*, Roxb. l. c. p. 436; Wight, Ic. t. 779.—c.p. 2322.

HAB. Forests of the Central Province, at an elevation of 2000 to 4000 feet. Nom. vulg. "Dada-kaihel."

9. POTHOS, Linn.

1. *P. scandens*, Linn. (Roxb. Fl. Ind. i. p. 430, cum syn.; Wight, Ic. t. 776.)—*P. scandens* and *P. Hookeri*, Schott.—c.p. 2321.

HAB. Extremely abundant in the warmer parts of the island. Nom. vulg. "Pota-wel."

The seeds are eaten by the Cinghalese, after being a long time boiled.

2. *P. remotiflora*, Hook. Ic. Pl. ii. t. 133.—An *P. oxyphyllus*, Miq. Fl. Ind. Bat. iii. p. 181, t. 38?—c.p. 2432.

HAB. Central Province, up to an elevation of 4000 feet.

Planta juvenis Caulis filiformis, elongatus, super truncos arborum repens et iisdem arcuè adhaerens. Folia parva, plus minus conferta, rotundata, apiculata, profunde cordata, 7-nervia, prominentim reticulata, brevipetiolata.

It will be seen by the above description of it that the young state of this plant is so unlike the appearance it subsequently assumes, that without tracing the transition from one to the other it would be difficult to believe them to belong to one species.

TRIB. III. ACOROIDEÆ.

10. ACORUS, Linn.

1. *A. Calamus*, Linn. (Roxb. Fl. Ind. ii. p. 169; Kunth, Enum. iii. p. 87, cum syn.)—c.p. 3745.

HAB. Not very uncommon in native gardens. Nom. vulg. "Wadakkaha."

The roots and leaves are used medicinally by the Cinghalese.

CLXII. LILIACEÆ.

1. ASPARAGUS, Linn.

(Nom. vulg. "Hātāwana-rya")

1. *A. falcatus*, Linn. (Willd. Sp. Pl. ii. p. 152; Burm. Thes. Zeyl. t. 13. f. 2.; Linn. Fl. Zeyl. No. 123.)—c.p. 2298.

HAB. Common in the warmer parts of the island.

Rami scandentes, angulati, aculeati. Folia $2\frac{1}{2}$ –4 poll. longa, 1–1 $\frac{1}{2}$ lin. lata, acuta, sessilia, solitaria vel fasciculata. Racemi 5–7 lin. longi, 8–10 flori. Pedicelli 2 lin. longi, infra medium articulati. Bracteæ parvæ, ovatae, acutæ. Perianthii segmenta oblonga, obtusa, 1 lin. longa.

2. *A. racemosus*, Willd. (Roxb. Flor. Ind. ii. p. 151; Wight, Ic. t. 2056.)—*A. floribunda*, Kunth, Enum. v. p. 98, cum syn. An *A. acerosus*, Roxb. ?—c.p. 2299 (737 partim).

HAB. Abundant in the warmer parts of the island.

Folia $\frac{1}{2}$ –1 poll. longa. Racemi sesquipollicares, ad apicem florigeri. Pedicelli 2 lin. longi, infra medium articulati. Perianthii segmenta 1 $\frac{1}{2}$ lin. longa.

3. *A. sarmentosus*, Linn. (Kunth, l. c. p. 97, cum syn.)—c.p. 2300 (737 partim).

HAB. Not uncommon, up to an elevation of 5000 feet.

Folia 4–6 lin. longa, $\frac{1}{4}$ – $\frac{1}{2}$ lin. lata, plus minus fasciculata. Racemi elongati, foliis terminati. Pedicelli 2 lin. longi, paulo supra medium articulati. Perianthii segmenta 1 $\frac{1}{2}$ –1 $\frac{3}{4}$ lin. longa.

This, like the preceding species, has wider leaves when growing in the hills than when occurring near the sea.

The species are all used medicinally by the Cinghalese.

2. *DRACÆNA*, Vand.

1. *D. elliptica*, Thunb. (Kunth, Enum. v. p. 14.)—*D. spicata*, Roxb. var. *floribus minoribus*. *Cordyline Sieboldii*, Planch. Miq. Fl. Ind. Bat. iii. p. 557, cum syn.—c.p. 2293.

HAB. Shady places, up to an elevation of 4000 feet.

Folia oblonga, oblango-lanceolata vel linear-lanceolata, longiuscule acuminata, basi acuta, 6-12 poll. longa, 1-2 poll. lata, *petiolo* bipollicari. *Flores* pallide virides, 4-5 lin. longi.

3. *SANSEVIERA*, Thunb.

1. *S. Zeylanica*, Willd. (Kunth, Enum. v. p. 18. cum syn.)—c.p. 2297.

HAB. Hotter parts of the island. Nom. vulg. "Neyanda."

The leaves of this plant yield a fibre of very excellent quality.

4. *DIANELLA*, Lam.

1. *D. ensifolia*, Redouté, (Kunth, Enum. v. p. 50, cum syn.)—*D. nemorosa*, Lam. Roxb. Fl. Ind. ii. p. 164. (excl. syn. Rumph.)—c.p. 3212.

HAB. Common in the Central Province, up to an elevation of 4000 feet. Nom. vulg. "Monæra-pattang."

5. *DISPORUM*, Salisb.

1. *D. Leschenaultianum*, Don, (Kunth, Enum. iii. p. 207, cum syn.; Wight, Ic. t. 2048.)—*D. Mysorense* and *D. Ceylanicum*, Wight, Ic. t. 2049.—c.p. 2319.

HAB. Central Province, at an elevation of 4000 to 7000 feet, on the margins of woods.

6. *SMILAX*, Tourn.

1. *S. maculata*, Roxb. (Kunth, Enum. v. p. 218, cum syn.; Wight, Ic. t. 2059.)—*S. fulgens*, Wall. Kunth, l. c. p. 219. *S. Vilandii*, Ham. in Wall. Cat. No. 5123. *S. Nilgherrensis*, St.—c.p. 75 (308).

HAB. Central Province, up to an elevation of 5000 feet.

2. *S. ovalifolia*, Roxb. Fl. Ind. iii. p. 794; Wight, Ic. t. 809; Kunth, l. c. p. 249.—*S. macrophylla*, Roxb. l. c. p. 793. *S. prolifera*, Roxb. l. c. p. 795. An *S. retusa*, Roxb. l. c. p. 793.—c.p. 2302.

HAB. Common in the warmer parts of the island. Nom. vulg. "Maha-kabarosa."

3. *S. Zeylanica*, Linn. (Kunth, l. c. p. 249, cum syn.; Wight, Ic. tt. 2057, 2058.)—*Kari Vilandi*, Rheed. Hort. Mal. vii. p. 59, t. 3k.—c.p. 3670.

HAB. Central Province, up to an elevation of 5000 feet. Nom. vulg. "Heen-kabarosa."

7. CHLOROPHYTUM, Ker.

1. *C. parviflorum*, Dalz. in Hook. Journ. of Bot. ii. (1850) p. 141; Bombay Flora, p. 251.—*Phalangium? parviflorum*, Wight, Ic. t. 2039.—C.P. 2292.

HAB. Not uncommon in the southern parts of the island, at no great elevation.

2. *C. breviscapum*, Dalz. l. c. p. 2291.

HAB. KorNEGALLE and Matale, Gardner; Central Province, common. Nom. vulg. "Bim-pöl."

Folia pedalia, spatulato-lanceolata, acuminata. *Scapo* foliis breviores, parum densiflori. *Pedicelli* breves, apice articulati. *Bractee* linear-lanceolatae, acutae, inferiores pollicares. *Sepala* lanceolata, 3 lin longa, apice plus minus cucullata apiculataque. *Ovarium* loculis circiter 15-ovulatis. *Capsula* triquetra, 4 lin. longa, loculis 8-10-spermis. *Semina* atra, rugosa, minutissime tuberculata.

This appears to agree in every respect with Mr. Dalzell's description, except in the more numerous ovules of the present plant.

Used medicinally by the Cinghalese.

8. ALLIUM, Linn.

1. *A. Hookeri*, Thw.; *scapo* elongato, subtriangulari, basi folioso; *foliis* membranaceis, linearibus, 9-11-nerviis, *scapo* brevioribus; *umbella* multiflora; *sepalis* linearibus, parum acutis, filamentis subaequalibus; *capsula* saepius monosperma.—*Allium*, No. 7 in Herb. Ind. Or. Hook. f. and Thoms.—C.P. 3659.

HAB. Pedrotalagalla near Newera Ella, at an elevation of 7000 feet.

Scapus 1½-2-pedalis. *Folia* 2½-3 lin lata, acuminata, apice minutissime retusa. *Pedicelli* 6 lin longi. *Semina* ovoidea, opaca, rugulosa, nigra, 1½ lin. longa.

This is closely allied to *A. Wallichii*, Kunth, but is smaller in all its parts, and its leaves have fewer nerves.

9. IPHIGENIA, Kunth.

1. *I. Indica*, Kunth, (Enum. iv. p. 213, cum syn.)—*Anguillaria Indica*, R. Br.; Wall. Pl. As. Rar. iii. t. 259. *Melanthium Indicum*, Linn.—C.P. 3680.

HAB. Trincomale, Rev. S. O. Glenie.

10. GLORIOSA, Linn.

1. *G. superba*, Linn. (Roxb. Fl. Ind. ii. p. 143, cum syn.)—*Methonica superba*, Lam.; Kunth, Enum. iv. p. 276, cum syn.; Bot. Reg. t. 77. *Mendoni*, Rheed. Hort. Mal. vii. t. 57.—C.P. 2295.

HAB. Common in bushy places, up to an elevation of 3000 feet. Nom. vulg. "Neyangalla."

11. OPHIOPOGON, Ker.

Ophiopogon and *Fluggea*, Kunth (haud *Fluggea*, Willd.).

1. *O. intermedius*, Don, Prod. Fl. Nep. p. 48.—*Fluggea intermedia*,

Schult. ; Kunth, Enum. v. p. 306. *F. dubia*, Kunth, l. c. p. 305. *F. Wallichiana*, Kunth, l. c. p. 303. *O. Indicus*, Wight, Ic. t. 2050 (an Royle?). An *F. Japonica*, Rich. ; Kunth, l. c. p. 302?—c.p. 2294.

HAB. Central Province, up to an elevation of 4000 feet.

12. FLAGELLARIA, Linn.

1. *F. Indica*, Linn. (Kunth, Enum. iii. p. 370, cum syn. ; Rheed. Hort. Mal. vii. t. 53.)—c.p. 2301.

HAB. Hotter parts of the island, not uncommon. Nom. vulg. "Goye-wel."

CLXIII. JUNCACEÆ.

1. JUNCUS, DC.

1. *J. glaucus*, Ehrh. (Kth. Enum. iii. p. 316, cum syn.)—c.p. 1003.

HAB. More elevated parts of the Central Province.

2. *J. Leschenaultii*, J. Gay, (Kth. l. c. p. 336.)—*J. Sinensis*, J. Gay ; Kth. l. c. *J. Wallichianus*, Laharpe ; Kth. l. c. p. 338.—c.p. 844.

HAB. With the preceding species.

2. SUSUM, Blume.

1. *S. anthelminticum*, Blume, (Kth. Enum. iii. p. 371.)—c.p. 2738.

HAB. Marshy places in the south of the island, at no great elevation. Nom. vulg. "Indooroo."

Folia 3-pedalia vel ultra, nigro-viridia, mucronata. *Flores* dioici. *Calycis* lacinie orbiculatæ. FL MASC. *Stamina* 6, filamentis æquilongis, basi coactis, calycis laciniis interioribus adnatis. *Ovarii rudimentum* parvum. FL. FEM. *Stamina* effacta 6, glandulas 3 retusas calycis laciniis interioribus oppositas cingentia. *Stigmata* 3, approximata, discoidea. *Baccæ* atro-purpureæ, pisi parvi magnitudinis.

CLXIV. XYRIDACEÆ.

(Nom. vulg. "Ranmanissa")

1. XYRIS, Linn.

1. *X. Indica*, Linn. (Kth. Enum. iv. p. 20, cum syn.)—c.p. 3028.

HAB. Marshy places in the hotter parts of the island.

2. *X. Walkeri*, Wight, (Kth. l. c. p. 19.)—c.p. 997.

HAB. Similar situations with the preceding.

Semina nitidiora et minus elongata quam ea spec. precedentis.

3. *X. schoenoides*, Mart. (Kth. l. c. p. 16, cum syn.)—c.p. 3380.

HAB. Paddy fields and other wet places in the Central Province, up to an elevation of 6000 feet.

4. *X. pauciflora*, Willd. (Kth. l. c. p. 17, cum syn.)—c.p. 999.

HAB. Hotter parts of the island, in wet places.

CLXV. RESTIACEÆ.

1. ERIOCAULON, Linn.

(Nom. vulg. "Kok-mota.")

1. *E. setaceum*, Linn. (Kth. Enum. iii. p. 550, cum syn.)—*E. intermedium*, Körnicke, in Linnæa, xxvii.—c.p. 791 (794).

HAB. Hotter parts of the island, in marshy places.

2. *E. Wallichianum*, Mart. in Wall. Pl. Rar. iii. t. 249; Kth. l. c. p. 564, cum syn.—*E. longifolium*, N. ab Es., Kth. l. c. p. 567.—c.p. 220.

HAB. Not uncommon in the warmer parts of the island.

3. *E. sexangulare*, Linn. (Kth. l. c. p. 551, cum syn.)—*E. Thwaitesii*, Körnicke, l. c. (partim).—c.p. 795.

HAB. Central Province.

4. *E. truncatum*, Ham. (Kth. l. c. p. 555.)—*E. Thwaitesii*, Korn. l. c. (partim).—c.p. 790 (793).

HAB. Very common.

5. *E. Brownianum*, Mart. l. c. t. 248; Kth. l. c. p. 562.—c.p. 377, 378 (1001).

HAB. Central Province, up to an elevation of 7000 feet.

An extremely variable species, as regards the amount of pubescence, and the relative size of the leaves, peduncles, and capitula. The external sepals of the male flowers are more or less coherent.

6. *E. quinquangulare*, Linn. (Willd. Sp. Pl. i. p. 485; Kth. l. c. p. 556, cum syn.)—c.p. 792.

Var. *β. argenteum*.—*E. argenteum*, Mart. l. c.; Kth. l. c. p. 557.—c.p. 3562.

HAB. Very abundant on the borders of paddy-fields.

7. *E. luzulaefolium*, Mart. l. c. p. 28; Kth. l. c. p. 553.—An *E. trilobum*, Ham. in Herb. Wall.; Korn. l. c. p. 796.

HAB. Central Province, up to an elevation of 4000 feet.

8. *E. Wightianum*, Mart. l. c.; Kth. l. c. p. 563; Steud. Synops. p. 271.

Var. *capitulis nigro-cinereis, parce pilosis*.—c.p. 3382.

HAB. Ambagamowa District.

9. *E. cristatum*, Mart. l. c.—Var. *bracteis floralibus denticulatis et longiuscule cuspidato-acuminatis*.—c.p. 789.

HAB. Rambodde, in the Central Province, Gardner.

This may possibly be a distinct species. The flowers are monœcious, and the flower bracts are different in shape from those of the ordinary form of *E. cristatum*; but the two plants are so conformable in other respects, that I cannot venture to separate them.

10. *E. atratum*, Korn. l. c.—c.p. 61.

Var. *β. major*.—*E. caulescens*, H. f. and T. MSS.—c.p. 131.

HAB. Central Province, at an elevation of 5000 to 7000 feet.

Parce caulescens. *Folia* vaginis valde dilatatis. *Sepala* exteriora multum latiora quam in *E. cristato*, cui aliouin hæc species similima est.

CLXVI. CYPERACEÆ.

1. CYPERUS, Linn.

Stylo indiviso; stigmatibus simpliciter.

1. **C. Hookerianus**, Thw.—*Cyperus*, No. 21 (bis), Hook. f. and T. Herb. Ind. Orient.—c.p. 3221.

HAB. Galle.

Sarmentosus. *Folia* firina, plana, ad apicem scabra, 4–12 poll longa. *Culmi* foliis subæquilongis, trigoni, glabri. *Involutivum* 3–4-phyllum, *capitulo* subgloboso $\frac{1}{2}$ -pollicati multoties longius. *Spicula* oblongæ, compressæ, sub-12-floræ. *Squamæ* (2 vel 3 inferiores majores vacuæ) arete imbricatæ, oblongæ, mucronato-acutæ, nitidæ, rugulosæ, ochraceæ, nigro-castaneo plus minus tinctæ, $1\frac{1}{2}$ lin longæ, carina scabridæ. *Stamina* 3. *Caryopsis* oblonga, rostrato-acuminata, subtrigona, glabra, castanea, basi longiuscule 3-callosa, pallida.

The undivided style and stigma, and the remarkable callosities at the base of the nut, well distinguish this from every other described species.

** *Stigmatibus* 2

2. **C. pulvinatus**, N. and M. (N. ab Es. in Wight, Contr. p. 74, cum syn.)—*C. punctatus*, Roxb. Fl. Ind. i. p. 193. *C. patens*, Vahl, Enum. ii. p. 334; Kth. Enum. ii. p. 16.—c.p. 806.

HAB. Common in wet gravelly and sandy places.

3. **C. sanguinolentus**, Vahl, l. c. p. 351; N. ab Es. l. c. p. 75, cum syn.—c.p. 802.

HAB. Not uncommon in the Central Province.

4. **C. polystachyus**, Rottb. (haud Schlecht.) (Kth. l. c. p. 13, cum syn.; N. ab Es. l. c. cum syn.; Roxb. l. c.)—c.p. 800.

HAB. Very abundant.

5. **C. flavescens**, Linn. (Steud. Synop. p. 4)—*C. capillaris*, Kæn.; N. ab Es. l. c. p. 76, cum syn. *C. Junghuhnii*, Miq. Fl. Ind. Bat. iii. p. 13.—c.p. 801.

HAB. A very common species. Dr. Hooker observes that *C. tortuosus*, Roxb., is nearly a state of it.

C. puncticulatus, Vahl, l. c. p. 348; Kth. l. c. p. 15.—*C. inundatus*, Roxb. l. c. p. 201 (haud R. Br.)—N. ab Es. l. c. p. 76, cum syn.—c.p. 3751 (3316 partim).

HAB. Warmer parts of the island.

My specimens are somewhat smaller than the ordinary form of this plant, and their flower-scales are slightly mucronate just below the apex.

7. **C. alopecuroides**, Rottb. (N. ab Es. l. c. (haud Roxb.); Kth. l. c. p. 19, cum syn.)—c.p. 3560.

HAB. Batticaloa District.

*** *Stigmatibus* 3.

8. **C. compressus**, Linn. (N. ab Es. l. c. cum syn.; Roxb. l. c. p. 194 (excl. syn. Pluk.); Kth. l. c. p. 23, cum syn.)—c.p. 812.

Var. *spiculis* angustis.—c.p. 807.

HAB. Very common in the warmer parts of the island.

9. **C. arenarius**, Retz, (N. ab Es. l. c. p. 77, cum syn.; Kth. l. c. p. 46, cum syn.)—c.p. 798.

HAB. Batticaloa, Gardner.

10. *C. conglomeratus*, Rottb. (Steud. Synops. p. 15.)—*C. leucocephalus*, Retz, Steud. l. c. p. 51; Kth. l. c. p. 97.—c.p. 808.

HAB. North of the island, *Gardner*.

11. *C. aristatus*, Rottb. (N. ab Es. l. c. p. 78, cum syn.)—*C. uncinatus*, R. Br. Prod. 215. *C. intricatus*, Schrad.; Kth. l. c. p. 103. *C. inflexus*, Muehl. in Willd. Herb.; Kth. l. c. p. 22. *C. angustifolius*, Ham.; N. ab Es. l. c. p. 79. *C. versicolor*, N. ab Es. l. c. p. 78.—c.p. 966.

HAB. Very abundant.

12. *C. castaneus*, Willd. (N. ab Es. l. c. p. 79, cum syn.; Kth. l. c. p. 21, cum syn.)—c.p. 803.

HAB. Common in gravelly places.

13. *C. Silhetensis*, N. ab Es. l. c. p. 79; Kth. l. c. p. 33.—c.p. 3558.

HAB. Batticaloa District.

Closely allied to *C. Haspan*, Linn., from which it appears to be principally distinguished by its denser panicle and more incurved flower-scales.

14. *C. Haspan*, Linn. (N. ab Es. l. c. p. 80, cum syn.; Kth. l. c. p. 34 cum syn.)—*C. tenuispica*, Steud. Synops. p. 11.—c.p. 799, 805, 965.

HAB. Very abundant throughout the island.

15. *C. pallidus*, Heyne? (N. ab Es. l. c. p. 79; Kth. l. c. p. 40.)—c.p. 3559.

HAB. Batticaloa District.

16. *C. articulatus*, Linn. (N. ab Es. l. c. p. 80, cum syn.; Kth. l. c. p. 53.)—*C. nudus*, Roxb. l. c. p. 187 (haud p. 209)—c.p. 3561.

HAB. Hotter parts of the island.

17. *C. rotundus*, Linn. (Roxb. l. c. p. 197; Kth. l. c. p. 58, cum syn.)—*C. herastachyus*, Rottb.; N. ab Es. l. c. p. 81, cum syn. *C. tenuiflorus*, Rottb.; N. ab Es. l. c. p. 82. *C. pertenuis*, Roxb. l. c. p. 198. *C. bulbosus*, Vahl; N. ab Es. p. 81, cum syn.—c.p. 804, 3045.

HAB. Extremely abundant in cultivated ground, and a most troublesome weed. Nom. vulg. "Kallandooroo."

The aromatic tubers of this very variable species are much used as a medicine by the Cinghalese.

18. *C. Retzii*, N. ab Es. l. c. p. 82, cum syn.; Kth. l. c. p. 73.—c.p. 3750.

HAB. Central Province.

19. *C. procerus*, Roth. (N. ab Es. l. c. p. 83, cum syn.)—c.p. 3752 (3316 partim)

HAB. Batticaloa District.

20. *C. pennatus*, Lam. (Kth. l. c. p. 80.)—*C. canescens*, Vahl; N. ab Es. l. c. p. 84, cum syn.—c.p. 678.

HAB. Hotter parts of the island.

21. *C. exaltatus*, Retz, (N. ab Es. l. c. cum syn.; Kth. l. c. p. 70.)—*C. altus*, N. ab Es. l. c. cum syn.—c.p. 3040.

HAB. Common in the warmer parts of the island.

22. *C. Roxburghii*, N. ab Es. l. c. cum syn.; Kth. l. c. p. 99.—*C. elatus*, Roxb. l. c. p. 204 (excl. syn.)—c.p. 3041.

HAB. Hotter parts of the island, not common.

Anthera connectivo longo acuto piloso terminatæ.

23. *C. xanthopus*, Steud. Syn. p. 36.—*C. infraapicalis*, N. ab Es. in Hb. Wt.—C.P. 3044.

HAB. Doomberra District.

Culmus 3-4-pedalis vel ultra, triqueter, glaber, basi foliosus. *Umbella* decomposita. *Spiculae* sub-8-floræ, in spicas oblongas subcylindricas 7-10 lin. longas dense aggregatæ. *Squamæ* parum distantes, oblongæ, subacutæ, infra apicem mucronatæ, pallide ochraceo-cinereæ, dorso rufo-pluristriatæ. *Caryopsis* oblonga, trigona, brevirostrata, minutissime punctulata, pallide fusca.

24. *C. dubius*, Rottb. (N. ab Es. l.c. p. 85, cum syn.)—*C. kyllingioides*, Vahl; Kth. l.c. p. 94.—C.P. 855, 2942.

HAB. Central Province, not very uncommon up to an elevation of 4000 feet.

25. *C. pilosus*, Vahl, Enum. ii. p. 354.—*C. obliquus*, N. ab Es. l.c. p. 86. *C. piptolepis*, Steud. Syn. p. 40. An *C. marginellus*, N. ab Es. l.c. p. 83?—C.P. 797.

HAB. Very common in the Central Province.

26. *C. Iria*, Linn. (N. ab Es. l.c. p. 87, cum syn.; Kth. l.c. p. 38, cum syn.)—C.P. 811.

HAB. Very abundant.

27. *C. difformis*, Linn. (N. ab Es. l.c. p. 88, cum syn.; Kth. l.c. p. 38.)—C.P. 3042.

HAB. Common in the warmer parts of the island.

28. *C. nigroviridis*, Thw.—*C. elegans*, Wall. Cat. (haud Linn.)—C.P. 2870.

HAB. Kornegalle.

Culmus tenuis, glaber, triqueter, 1-2-pedalis, basi foliosus. *Folia* latiuscula, culmo subæquilonga, margine scabra. *Umbella* composita, longe involucreta. *Spiculae* laxifloræ, umbellatæ. *Squamæ* rotundatæ, mucronatæ, nervoso-striatæ, nigro-fuscae, margine membranacea fulvescentes. *Caryopsis* ovoidea, trigona, utrinque acuta, subglabra, nigra.

Resembling very much *C. elegans*, Linn., but distinguished at once by the very different shape of its fruit, which in *C. elegans* is much wider in proportion to its length, and is rounded at the apex.

29. *C. distans*, Linn. (N. ab Es. l.c. p. 88, cum syn.; Kth. l.c. p. 93.)—C.P. 810.

HAB. Very abundant.

30. *C. corymbosus*, Rottb. (Kth. l.c. p. 55, cum syn.)—*Papyrus corymbosus*, N. ab Es. l.c. p. 89.—C.P. 809.

HAB. Kornegalle.

31. *C. Paugorei*, Rottb. (Kth. l.c. p. 57, cum syn.)—*Papyrus Paugorei*, N. ab Es. l.c. p. 88.—C.P. 813.

HAB. Not uncommon in the warmer parts of the island.

32. *C. Neesii*, Kth. l.c. p. 101.—*C. elatus*, Linn. (partim). *Papyrus elatus*, N. ab Es. l.c.—C.P. 3013.

HAB. Cultura, Moon.

33. *C. dilutus*, Vahl, Enum. ii. p. 357; Kth. l.c. p. 92.—*Mariscus dilutus*, N. ab Es. l.c. p. 90.—C.P. 815.

HAB. Kornegalle, Gardner.

34. *C. umbellatus*, Benth. Flor. Hongk. p. 386.—*Mariacus umbellatus*, Vahl, l. c. p. 376. *M. cyperinus*, Vahl, l. c. p. 377. *M. panicus*, Link ? N. ab Es. l. c. p. 89, cum syn. *M. pictus*, N. ab Es. l. c. p. 90, cum syn.—C.P. 814, 816, 817, 2878.

HAB. Extremely abundant.

Planta valde variabilis. Spicula 1-4-floræ.

2. KYLLINGIA, Linn.

1. *K. monocephala*, Linn. (N. ab Es. in Wight, Cat. p. 91; Kth. Enum. ii. p. 129.)—C.P. 3753.

HAB. Very common amongst grass, in the warmer parts of the island.

Differs from the next species in its usually diandrous flowers, with their glumes whiter, and somewhat suddenly dilated above the middle.

2. *K. brevifolia*, Rottb. (N. ab Es. l. c. cum syn.; Kth. l. c. p. 130.)—C.P. 3755.

HAB. With the preceding species, but not so common.

3. *K. melanosperma*, N. ab Es. l. c.; Kth. l. c. p. 131.—C.P. 818, 2980.

HAB. Central Province, at an elevation of 4000 to 6000 feet.

4. *K. cylindrica*, N. ab Es. l. c. Var. *β. monostachya*, Kth. l. c. p. 133.—C.P. 3754.

5. *K. triceps*, Rottb. (N. ab Es. l. c.; Kth. l. c. cum syn.)—C.P. 3234.

HAB. Hot drier parts of the island.

3. REMIREA, Aubl.

1. *R. pedunculata*, R. Br. (Kth. Enum. ii. p. 139, cum syn.)—*R. Wightiana*, Wall. Cat. No. 3378; N. ab Es. in Wight, Contr. p. 92.—C.P. 3327.

HAB. Jaffna, Gardner.

4. PANDANOPHYLLUM, Hassk.

Steudel, Synops p 134. *Halostemma*, Wall MSS.

Char. emend. Squamæ unifloræ. Glumæ 6, biseriales, plicatæ; 3 exteriorum unaquæque stamen includens eidemque opposita; 3 interiorum una (posterior) pistillum amplectens, duæ vacuæ. FLO. MASC.: Antheræ lineares, subsessiles, longitudinaliter dehiscentes. Ovarii rudimentum stylo longo clavato acuto terminatum. FLO. FÆM.: Stamina sterilia paleæformia. Stylus basi incrassatus. Stigmata 2 (Hassk.) 3 (in meis specimin.). Caryopsis ossea.

1. *P. Zeylanicum*, Thw.; *foliis* glabris, longissime setaceo-acuminatis, margine scabris; *caryopsi* obovoidea, lævi, brevi-stipitata.—C.P. 3029.

HAB. Banks of a stream, near Pittigalakanda in the Kokoole Corle, December, 1853.

Folia 3-4-pedalia, 6-7 lin. lata. *Culmi* plures, 3-9 poll. longi, basi vaginati. *Capitulum* pluriflorum, 6-7 lin. in diam. *Squamæ* ovatae, striatae, inferiores mucronatae, semipollicares. *Glumæ* squama aequilongæ, lineari-lanceolatae, acutæ, exteriores ad carinam scabrae. *Anthera* 2 lin. longæ. *Caryopsis* albidæ, interne nigra, 2 lin. longa.

Hasskarl, in describing this genus as monandrous, must, I suspect, have taken the long clavate style of the male flower for an anther. The true anthers, 3 in number, which lie concealed, one within the fold of each of the exterior glumes of the flower, may easily escape observation, unless great care be taken in the dissection.

5. LEPIRONIA, Rich.

1. *L. mucronata*, Rich. in Pers. Syn. i. p. 70; Kth. Enum. p. 366.
—*Chondrachne articulata*, R. Br.—C.P. 3228.

HAB. Cultura District.

Pistillum 18-24 paleis (6-8 exterioribus monandris, reliquis vacuis) lanceolatis acutis cinctum.

This genus is evidently closely allied to *Pandanophyllum*, the pistil in each being surrounded by a certain number of empty paleæ, and, outside these, by one or more series of monandrous paleæ. In *Pandanophyllum* the flower (or spikelet?) is unisexual, either the pistil or the stamens being sterile or rudimentary, whilst in the present genus the flower (or spikelet?) is hermaphrodite.

6. HYPOLYTRUM, Rich.

1. *H. latifolium*, Rich. in Pers. Syn. i. p. 70; Kth. Enum. ii. p. 271, cum syn.—*H. giganteum*, Wall. Cat. No. 3404; N. ab Es. in Wight, Contr. p. 93, cum syn. *H. trinervium*, Kth. l. c. p. 272.—C.P. 3, 219.

Var. β . *minor*.—*Spiculis squamisque* multo minoribus.

HAB. Common in dense forests in the southern and central parts of the island, up to an elevation of 3000 feet.

Var. β . Cultura.

Glumæ postice connatae, sed facile disruptae. *Caryopsis* glabra vel parum rugulosa, rarius costulata, ochraceo- vel nigro-fusca, endocarpio nigro.

2. *H. longirostre*, Thw.; *spiculis* corymboso-paniculatis; *squamis* firmis, nitidis, plus minus acutatis, mucronatis; *glumis* postice connatis, oblongis, subacutis, carinis scabris; *staminibus* 2; *caryopsi* rotundata, rugosa, parum compressa, styli basi dilatata longiuscule rostrata.—C.P. 3468.

HAB. Hinidoon Corle.

Caryopsis fusca, sæpe obscure costulata, $\frac{1}{2}$ lin. longa, rostro parum longiore; endocarpio nigro.

A præcedente, cui valde similis, foliis angustioribus, squamis acutis majoribus firmioribusque et caryopsi longe rostrata satis differt.

3. *H. costatum*, Thw.; *spicis* capitato-congestis; *caryopsi* majuscula, ovata vel rotundata, acuta, longitudinaliter grosse 6-12-costata, externe spongiosa.—C.P. 3222.

HAB. Central Province, but exact locality not recorded.

Culmus triquetus, lævis. *Folia floralia* longiuscula, 8 lin. lata, trinervia, margine scabra. *Panicula* oblonga, dense compacta. *Caryopsis* fusco-nigra, 3 lin. in diam., interne albidæ, endocarpio separabili.

The only specimen I possess is not sufficiently perfect to enable me to draw up so complete a description as could be desired, of this interesting plant.

7. LIPOCARPHA, R. Br.

1. *L. argentea*, R. Br. (Kth. Enum. ii. p. 266, cum syn.)—*L. laevigata*, N. ab Es. in Wight, Contr. p. 92, cum syn.—c.p. 819.

Var. *bracteis majoribus*.—c.p. 3557.

HAB. Common up to an elevation of 3000 feet.

2. *L. sphacelata*, Kth. l. c. p. 267.—*L. triceps*, N. ab Es. l. c.—c.p. 3756.

HAB. Doombera District.

Capitulum 3-6-stachyum.

8. FUIRENA, Linn.

1. *F. ciliaris*, Roxb. Fl. Ind. i. p. 180; N. ab Es. in Wight, Contr. p. 93, cum syn.—c.p. 3038.

HAB. Very abundant in paddy-fields and wet grassy places, in the warmer parts of the island.

2. *F. glomerata*, Lam. (Vahl, Enum. ii. p. 386; Kth. Enum. ii. p. 184.)—*F. Rottbællii*, N. ab Es. l. c. p. 94, cum syn.—c.p. 2748.

HAB. Similar places with the last.

3. *F. umbellata*, Rottb. (Kth. l. c. p. 185, cum syn.)—*F. pentagona*, W. et A.; N. ab Es. l. c. p. 93, cum syn.; Kth. l. c. cum syn.—c.p. 3229.

HAB. With the preceding and equally common.

4. *F. uncinata*, Wall. Cat. No. 3534 d; Kth. l. c. p. 184, cum syn.—c.p. 3230.

HAB. Similar places with the foregoing species.

9. ABILDGAARDIA, Vahl.

1. *A. monostachya*, Vahl, Enum. ii. p. 296; Kth. Enum. ii. p. 247.—*A. Rottbælliana*, N. ab Es. in Wight, Contr. p. 95, cum syn.—c.p. 3231.

HAB. Not uncommon in the warmer parts of the island.

2. *A. tristachya*, Vahl, l. c. p. 297; Kth. l. c. p. 248, cum syn.—c.p. 852.

HAB. North of the island, *Gardner*.

3. *A. fulvescens*, Thw.—*Umbella* 3-4-radiata; *involucro* brevi; *spicis* planis, compressis, acutis, plurifloris, solitariis vel binis in radius; *squamis* ovatis, acutis, pilosulis; *floribus* triandris; *caryopsi* trigona, subpyriformi, tuberculata.—c.p. 679.

HAB. Reigam Corle.

Cespitosa, 1-1½-pedalis. *Folia* culmo breviora vel subæquilonga, lineari, obtusiuscula, mucronata, margine scabra, ½-1½ lin. lata. *Culmus* filiformis, striatus. *Caryopsis* nigro-fusca, umbonata, ½ lin. longa.

4. *A. cinnamometorum*, Thw.—*A. fusca*, N. ab Es. l. c.; Kth. l. c. p. 249.—*Fimbristylis cinnamometorum*, Kth. l. c. p. 229. *Scirpus cinnamometorum*, Vahl, l. c. p. 278.—c.p. 2752.

HAB. Not uncommon in wet grassy places.

10. **FIMBRISTYLIS**, Vahl.*Stigmatibus* 2.

1. **F. nutans**, Vahl, Enum. ii. p. 285; N. ab Es. in Wight, Contr. p. 96; Kth. Enum. ii. p. 221, cum syn.—c.p. 832.

HAB. Very common in the warmer parts of the island.

2. **F. acuminata**, Vahl, l. c.; N. ab Es. l. c.; Kth. l. c. cum syn.—*F. setacea*, Benth. in Hook. Journ. of Bot.—c.p. 2747.

HAB. Hotter parts of the island.

Closely allied to the preceding, but certainly distinct

3. **F. polytrichoides**, R. Br. ? (N. ab Es. l. c. cum syn.)—*Scirpus polytrichoides*, Retz; Vahl, l. c. p. 249. *Scirpus scaber*, Roxb. Fl. Ind. i. p. 220.

HAB. Ceylon, *König*.

4. **F. schoenoides**, Vahl, l. c. p. 286; N. ab Es. l. c. p. 97, cum syn.; Kth. l. c. p. 222, cum syn.—c.p. 833.

HAB. Not uncommon in the hotter parts of the island.

5. **F. diphylla**, Vahl, l. c. p. 289; N. ab Es. l. c. p. 100, cum syn.—*F. tomentosa*, Vahl, l. c. p. 290; N. ab Es. l. c. *F. Royeniana*, varr. α et β ; N. ab Es. l. c.—c.p. 839, 840 (841 partim).

HAB. A very abundant plant.

Varies greatly in the amount of pubescence: the flowers are commonly diandrous, more rarely monandrous, I have not met with it with triandrous flowers.

6. **F. ovalis**, N. ab Es. l. c. p. 98, cum syn.—c.p. 3737 (841 partim).

HAB. Kornegalle District.

Certainly distinct from the preceding species, though bearing considerable external resemblance to the tomentose form of it.

7. **F. rigidula**, N. ab Es. l. c. p. 99; Steud. Synops. p. 116.—c.p. 3232.

HAB. Warmer parts of the island, not common.

8. **F. ferruginea**, Vahl, l. c. p. 291; N. ab Es. l. c. p. 97, cum syn.; Kth. l. c. p. 236.—c.p. 848.

HAB. Kokoole Corle, *Gardner*.

9. **F. argentea**, Vahl, l. c. p. 294; N. ab Es. l. c. p. 100, cum syn.; Kth. l. c. p. 223.—c.p. 2877.

HAB. Hotter parts of the island.

10. **F. pallescens**, N. ab Es. l. c. p. 101, cum syn.; Steud. Synops. p. 111.—*Scirpus pallescens*, Roxb. Fl. Ind. i. p. 229.—c.p. 3758.

HAB. Warmer parts of the island, not very common.

** *Stigmatibus* 3. *Trichelostylis*.

11. **F. Arnottii**, Thw.—*F. xyroides*, Arn. Cat. Hb. Wight, 2331 (haud *xyridis*, R. Br.)—c.p. 830.

HAB. Common on the borders of paddy-fields, etc.

Cæspitosa, aphylla. Culmus parum angularis, 6–18 poll. longus, basi vaginatus. Spica solitaria, erecta, rotundata. Squamæ arcte imbricatæ, obovatæ, obtusæ, inferiores parum majores. Caryopsis oblonga, subclavata, delicatule cancellata, stipitata, albida, stylo subæquilonga.

12. **F. miliacea**, Vahl, l. c. p. 287; Kth. l. c. p. 230.—*Trichelostylis*

miliacea, N. ab Es. l. c. p. 103, cum syn. *F. tetragona*, N. ab Es. l. c. p. 104, cum syn. *Scirpus tetragonus*, Roxb. l. c. p. 228.—c.p. 836.

HAB. Very abundant in paddy-fields and other wet places.

13. *F. globulosa*, Wall. (Kth. l. c. p. 231.)—*Trichelostylis globulosa*, N. ab Es. l. c. p. 105, cum syn.—c.p. 842.

HAB. Warmer parts of the island.

14. *F. quinquangularis*, Kth. l. c. p. 229, cum syn.—*Trichelostylis quinquangularis*, N. ab Es. l. c. p. 104, cum syn.—c.p. 838.

HAB. Not uncommon in the hotter parts of the island.

15. *F. insignis*, Thw.—*Culmo* filiformi, striato, apice parum compresso, glabro, basi folioso; *foliis* brevibus, firmis, curvatis, obtusis, mucronatis, glabris, margine scabris; *umbellæ* apertæ radiis circiter 6; *involucro* brevissimo; *spicis* subcylindricis, acutis, 1-2- vel 3-nis in radiis, intermedia sessili majore; *squamis* ovato-oblongis, subacutis, mucronatis; *floribus* triandris; *caryopsi* brevi-obcordata, trigona, sublævi; *stilo* lineari, triquetro, glabro; *stigmatibus* breviusculis.—c.p. 3317.

HAB. Between Negombo and Kornegalle.

Cæspitosa, 2-pedalis. *Spicæ* $\frac{1}{2}$ -1 poll. longæ, 1½ lin. latæ. *Squamæ* fusco-ferruginæ, basi margineque pallidiores, 2 lin. longæ.

16. *F. complanata*, Link. (Kth. l. c. p. 228, cum syn.)—*Trichelostylis complanata*, N. ab Es. p. 103, cum syn.—c.p. 3220.

HAB. Ceylon, Walker (in *Herb. Hook.*).

17. *F. chaetorhiza*, Kth. l. c. p. 240.—*Trichelostylis chaetorhiza*, N. ab Es. l. c. p. 106. *T. tortu*, N. ab Es. l. c. p. 105 —c.p. 837, 970.

HAB. Extremely abundant amongst grass.

A very variable plant. I find the flowers always triandrous, and the characters of the fruit, as described by Nees, very constant.

18. *F. retusa*, Thw.; *culmo* filiformi, acute angulari, apicem versus scabrido, basi foliato; *foliis* anguste linearibus, obtusis, mucronatis; *umbellæ* composita, compacta, involucro subæquilongis; *spicis* glomeratis, sessilibus; *squamis* ovatis vel oblongis, retusis, dense imbricatis, pluri-seriatis, muricato-punctulatis, ad apicem margine ciliatis; *floribus* monandris; *stilo* glabro; *caryopsi* late obovata, trigona, aspero-tuberculata.—c.p. 3760.

HAB. Near Galle.

Cæspitosa, 1-2-pedalis. *Squamæ* fusco-ferruginæ. *Caryopsis* ochracea, ferrugineo tincta.

19. *F. Wightiana*, N. ab Es. l. c. p. 99.—c.p. 3759.

HAB. Trincomale, Rev. S. O. Glenie.

20. *F. salbundia*, Kth. l. c. p. 230, cum syn.—*Trichelostylis salbundia*, N. ab Es. l. c. p. 105, cum syn. *T. pentaptera*, N. ab Es. l. c. —c.p. 823, 843.

HAB. Newera Ellia, and other of the more elevated parts of the island.

21. *F. connectens*, Thw.—*Culmo* striato, versus apicem compresso scabroque, basi folioso; *foliis* anguste linearibus, culmo subæquilongis, glabris, margine scabris, abrupte acutis; *umbellæ* medioeri, decomposita, compacta, radiis scabris; *involucro* diphylo, foliolis linearibus, acutis, scabris, umbellæ subæquilongis; *spicis* oblongis, acutis; *squamis*

2-3-chis, ovatis, subacutis, mucronulatis, opacis; *floribus* triandris; *caryopsi* obovoidea vel subpyriformi, acute trigona, nitida, sublævi; *stilo* glabro.—c.p. 2967.

HAB. Maturatta District.

Cæspitosa, 1-2-pedalis. *Folia* glauco-viridia, circiter 1 lin. lata. *Squamæ* fusco-castaneæ, carina scabra margineque pallidiores, longitudinaliter delicatule striatæ. *Caryopsis* albida vel pallide fulva.

Allied to *F. salbindia*, and might perhaps with propriety be placed with it, in the genus *Abildgaardia*, close to *A. cinnamometorum*, with which they have great affinity.

11. ISOLEPIS, R. Br.

1. *I. squarrosa*, R. et S. (Kth. Enum. ii. p. 202, cum syn.)—*Scirpus squarrosus*, Linn.; Roxb. Fl. Ind. i. p. 222.—c.p. 854.

HAB. North of the island, Gardner.

2. *I. articulata*, N. ab Es. in Wight's Contr. p. 108, cum syn. (Kth. l. c. p. 199, cum syn.)—*I. incurvatus*, N. ab Es. l. c. cum syn. *I. prolongata*, N. ab Es. l. c. *Scirpus articulatus*, Linn.; Roxb. l. c. p. 214. *S. incurvatus*, Roxb. l. c. *S. subarticulatus*, Roxb. l. c. p. 215.—c.p. 846.

HAB. Common in the hotter parts of the island.

3. *I. supina*, R. Br. (N. ab Es. l. c. p. 107, cum syn.; Kth. l. c. p. 196.)—*Scirpus supinus*, Linn.; Roxb. l. c. p. 217.—c.p. 3233.

HAB. Hotter parts of the island.

4. *I. trifida*, N. ab Es. l. c. p. 108. (Kth. l. c. p. 213.)—c.p. 851.

HAB. More elevated parts of the Central Province.

5. *I. gracilis*, N. ab Es. l. c. p. 109. (Kunth, l. c. p. 217.)—c.p. 834.

HAB. Common in the warmer parts of the island.

6. *I. barbata*, R. Br. (N. ab Es. l. c. cum syn.; Kth. l. c. p. 208.)—*Scirpus monander* et *S. antarcticus*, Roxb. l. c. (excl. syn.)—c.p. 829.

HAB. Not uncommon in the hotter parts of the island.

7. *I. pulchella*, Thw.; *spicis* terminalibus, capitato-congestis; *culmo* lævi, filiformi, striato, basi foliato; *foliis* brevibus, setaceis, canaliculatis, basi in vaginam apice barbatam dilatatis; *involucro* quam capitulum 2-3-plo longiore, basi barbato; *squamis* late obtuse carinatis, pilosis; *floribus* triandris; *caryopsi* rotundata, trigona, minute tuberculata, brevi-stipitata.—c.p. 3761.

HAB. Trincomale, Rev. S. O. Glenie.

Cæspitosa, 3-6-pollicaris. *Squamæ* ferrugineo-aureæ, versus apicem carinæ palide virides. *Caryopsis* pallida, nigro-apiculata.

8. *I. fluitans*, R. Br. (Kth. l. c. p. 188, cum syn.)—*Eleogiton fluitans*, Link. Hort. i. 284. *E. curvulus*, N. ab Es. l. c. p. 110.—c.p. 835 (2634).

HAB. Common in the more elevated parts of the Central Province.

9. *I. dipsacea*, R. et S. (Kth. l. c. p. 205, cum syn.)—*Echinolytrum dipsaceum*, Desv.; N. ab Es. l. c. p. 96. *Scirpus dipsaceus*, Rottb.—c.p. 668.

HAB. Warmer parts of the island.

12. SCIRPUS, Linn.

1. *S. mucronatus*, Linn. (Kth. Enum. ii. p. 161, cum syn.)—*S. triangularis*, Roxb. Fl. Ind. i. p. 217; N. ab Es. in Wight's Contr. p. 111. *S. javanus*, N. ab Es. l. c. p. 112.—C.P. 41.

HAB. Very common.

2. *S. juncoides*, Roxb. l. c. p. 216; Kth. l. c. p. 160.—*S. junciformis*, N. ab Es. l. c. p. 112.—C.P. 850.

HAB. Abundant throughout the island.

3. *S. subcapitatus*, Thw.; aphyllus; culmis confertis, rigidis, teretibus, vaginatis; vaginis subulato-apiculatis, superiore multum longiore; involucri brevi, ovato, 5-nervio, subulato-apiculato; spicis 3 vel 4, oblongis, acutis, subcapitatis; squamis sub-4-seriatis, ovatis, membranaceis, carinatis, mucronatis; staminibus 3; caryopsi obovato-oblonga, trigona, laevi; setis 6, tenuibus, denique caryopsi multiplo longioribus.—C.P. 306.

HAB. Newera Ellia.

6-18-pollicaris. Capitula ochracea, ferrugineo tineta. Stylus, cum stigmatibus et setis, nigro-rufus. Caryopsis ferruginea.

4. *S. grossus*, Linn. (Kth. l. c. p. 167, cum syn.)—*Hymenochaete grossa*, N. ab Es. l. c. p. 110, cum syn.—C.P. 847.

HAB. Hotter parts of the island.

Mats are made by the Cinghalese from the culms of this species.

5. *S. pectinatus*, Roxb. l. c. p. 218.—*Malacochaete pectinata*, N. et M.; N. ab Es. l. c. cum syn. An *Scirpus subulatus*, Vahl, Enum. ii. p. 268? (conf. *S. littoralis*, Schrad.)—C.P. 831.

HAB. Cultura.

13. CHÆTOCYPERUS, N. ab Es.

1. *C. setaceus*, N. ab Es. (Steud. Synops. p. 73.)—*C. Limnocharis*, N. ab Es. in Wight's Contr. p. 96, cum syn. *Eleocharis chætaria*, Kth. Enum. ii. p. 140, cum syn. *Cyperus setaceus*, Retz.—C.P. 247.

HAB. Saffragam District.

14. ELEOCHARIS, R. Br.

1. *E. tetraquetra*, N. ab Es. in Wight's Contr. p. 113, cum syn.; Kth. Enum. ii. p. 150, cum syn.—C.P. 2397.

HAB. Rambodde in the Central Province, at an elevation of 4000 feet.

2. *E. ovata*, R. Br. (Kth. l. c. 151, cum syn.)—*E. congesta*, Don; Kth. l. c. p. 152, cum syn.—C.P. 2635.

HAB. More elevated parts of the Central Province.

Spicae saepe basi proliferæ. Stigmata 3. Caryopsis pyriformis, trigona, nitida, ochracea.

3. *E. capitata*, R. Br. (Kth. l. c. p. 150, cum syn.)—*Eleocharis capitatus*, N. ab Es. l. c. p. 112, cum syn.—C.P. 3039.

HAB. Saffragam District.

4. *E. fistulosa*, Schult. (Kth. l. c. p. 155, cum syn.)—*E. acutangula*,

N. ab Es. l. c. p. 114, cum syn. *Scirpus acutangulus*, Roxb. Fl. Ind. i. p. 213.—c.p. 3162 (3047).

HAB. Hotter parts of the island.

Stigmata (in meis specim.) 3.

5. *E. plantaginea*, R. Br. (Kth. l. c. p. 153, cum syn.)—*Limnocharis plantaginea*, N. ab Es. l. c. *Scirpus plantagineus*, Rottb.; Roxb. l. c. p. 212.—c.p. 3046.

HAB. South of the island.

6. *E. spiralis*, R. Br. (Kth. l. c. p. 155, cum syn.)—*Limnocharis spiralis*, P. de B.; N. ab Es. l. c. cum syn. *L. media*, N. ab Es. l. c. cum syn. *Scirpus spiralis*, Rottb., et *S. medius*, Roxb. l. c. pp. 212, 213.—c.p. 853.

HAB. Hotter parts of the island; Caltura, *Macrae*.

I can find no essential difference between *Macrae*'s specimens, named *Limnocharis media* by Dr. Wight, and the ordinary *E. spiralis*, R. Br.

15. ARTHROSTYLIS, R. Br.

1. *A. filiformis*, Thw.; *culmis* confertis, filiformibus, longiusculis, glabris, sulcato-triquetris, basi vaginatis; *involucro* capitulo subaequilongo; *spicis* plurimis, 1-2-floris; *squamis* circiter 5, trinerviis (vel superioribus sub-5-7-nerviis) apice recurvis, aristato-subulatis; *floribus* 3-andris; *stylo* elongato; *stigmatibus* 2-3, elongatis; *caryopsi* obovata, trigona, obscure minute papillosa, apice vix umbonata.—c.p. 3469.

HAB. Carawitta Kanda, near Ratnapoora; and Dolosbage District.

Rhizoma repens. *Culmi* 2-3-pedales, *vaginae* $\frac{1}{2}$ -2-poll. longis, cuspidatis *Capitulum* semipollicare. *Squamæ* ochraceæ, fulvo tinctæ *Stylus*, cum basi dilatata, nigro-rufus *Caryopsis* albidus

16. RHYNCHOSPORA, Vahl.

1. *R. laxa*, R. Br. (Kth. Enum. ii. p. 298, cum syn.)—An *R. triflora*, Vahl, Enum. ii. p. 231?—c.p. 677.

Var. β . *minor*.—*R. Chinensis*, N. et M.; N. ab Es. in Wight's Contr. p. 115.—c.p. 2396.

HAB. Var. α , south of the island; var. β , very abundant amongst grass at an elevation of 4000 to 6000 feet.

2. *R. aurea*, Vahl, l. c. p. 291; Kth. l. c. p. 293, cum syn.—c.p. 199.

HAB. Common in swampy places in the hotter parts of the island.

3. *R. Zeylanica*, Kth. l. c. p. 294.—*Cephaloschænus Zeylanicus*, N. ab Es. in Wight's Contr. p. 115.—c.p. 3036.

HAB. Saffragam District.

Closely allied to and possibly a variety of *R. aurea*, but I am disposed to consider it distinct. the present plant is more glaucous, the leaves much narrower, the panicle fewer-flowered, and the rostrum of the fruit very different in shape. *R. articulata*, Schult., of which I have a specimen from Khasia given me by Dr. Hooker, is nearly allied to both the above-mentioned plants, but specifically distinct, I think.

4. *R. Wallichiana*, Kth. l. c. p. 289, cum syn.; Benth. Fl. Hongkong, p. 396, cum syn.—*R. Hancei*, Fr.; Kth. l. c. p. 290. *Morisia Wallichii*, N. ab Es. l. c. p. 115. *Haplostylis Meyenii*, N. ab Es. l. c. —c.p. 2746.

HAB. Common amongst high grass, up to an elevation of 4000 feet.

17. OLADIUM, P. Browne.

1. *O. undulatum*, Thw. ; *foliis* rigidis, angustis, acutissimis, margine involutis, scabriusculis, *culmo* subtrigono, sulcato, glabro, tenui, subæquilongis ; *spicis* 1-floris, 2-3-nis, ad nodos ramorum undulato-flexuosorum paniculæ subsessilibus, bractea parva vaginante carinata aristato-acuminata suffultis ; *squamis* lanceolatis, acutis, glabris ; *caryopsi* rotundata, subtrigona, glabra, versus apicem rugulosa.—C.P. 3226.

HAB. South of the island.

1½-2½-pedalis. *Panicula* aperta, 4-8 poll. longa, ramulis interne sulcatis scabrisque. *Squamæ* ferrugineæ. *Flores* triandri. *Antheræ* mucronatæ. *Stylus* elongatus. *Caryopsis* ochracea, denique nigro-fusca.

18. BAUMEA, Gaud. ; Kunth.

1. *B. crassa*, Thw. ; *foliis* crassis, parum flaccidis, interne spongiosis, glabris, acutis, margine obtusiusculis, *culmo* complanato foliato subæquilongis ; *spicis* pilosulis, trifloris (tertio flore terminali imperfecto), ad apices ramulorum paniculæ majusculæ glomerato-capitatis.—C.P. 845.

HAB. Ambagamowa District.

4-6-pedalis. *Folia* 3-4 lin. lata. *Panicula* pedalis vel ultra, parum aperta. *Bracteæ squamæ*que ovato-lanceolatæ, ferrugineæ. *Flores* triandri. *Stylus* (cum stigmatibus 3, rarius 2, longis) nigro-ferrugineus, *basi dilatata* albidæ, albidovillosa, *caryopsi* ovoideæ nitidæ ferrugineæ adnata.

19. SCLERIA, Linn.

1. *S. oryzoides*, Pr. (N. ab Es. in Wight's Contr. p. 116 ; Steud. Synops. p. 169.)—C.P. 828.

HAB. Very common in the south of the island.

2. *S. stipularis*, N. ab Es. (Steud. l. c. p. 171, cum syn. ?)—"C.P. 3031," C.P. 3763.

HAB. Allagalla, in the Central Province, at an elevation of 3000 feet.

Vagina foliorum tri-alatæ, antice infra apicem pilis deflexis hispida, alis latiusculis superne ultra vaginam productis, dorsali longiore et ad apicem extremum libera. *Discus* trilobus, lobis lanceolatis acutissimis.

The present plant agrees very well with Nees's description, so far as it goes ; but the locality he gives for his species (Surinam and Guyana) being so distant from this, renders it not unlikely that the Ceylon plant will prove to be distinct.

3. *S. Sumatrensis*, Retz. (N. ab Es. in Wight's Cat. p. 116 ; Kth. Enum. ii. p. 357 ; Steud. Synops. Cyperac. p. 171.)—C.P. 3783.

HAB. Ambagamowa District.

4. *S. elata*, Thw. ; *culmis* elatis, triquetris ; *foliis* longiusculis, valde acuminatis, margine scaberrimis ; *vagina* exalata ; *ligula* brevi, rotundata, parum pilosa ; *paniculis* deltoideis, plurifloris ; *bracteis* subulatis. basin versus subito dilatatis pilosisque ; *caryopsi* ovoidea, apiculata ; *hypogynio* mediocri subtrilobo vel triangulari, angulis rotundatis.—*Scleria*, No. 15, in Herb. Ind. Orient. Hook. f. et Thoms.

Var. *α* ; *caryopsi* prominentim reticulato.—C.P. 3030, 825.

Var. *β* ; *caryopsi* sublævi.—C.P. 3032.

HAB. Not uncommon up to an elevation of 5000 feet.

5. *S. androgyna*, N. ab Es. l. c. p. 117 ; Kth. l. c. ; Steud. l. c. p. 168.—C.P. 3319.

HAB. Reigam Corle.

6. *S. levis*, Retz. (N. ab Es. l. c. ; Kth. l. c. p. 342 ; Steud. l. c. p. 169.)—c.p. 2745.

HAB. South of the island.

7. *S. tessellata*, Willd. (N. ab Es. l. c. p. 118, cum syn. ; Kth. l. c. p. 343 ; Steud. l. c.)—c.p. 3034.

Var. β , *squamis* longioribus angustioribusque ; *caryopsi* glabra et grossius cancellata quam in var. α .—*S. uliginosa*, Hochst. *S. parvula*, Steud. l. c. p. 174.—c.p. 3033.

HAB. Var. α , Ambagamowa and Saffragam Districts ; var. β , near Galle.

Flores masc. 2-3-andri.

8. *S. hebecarpa*, N. ab Es. l. c. ; Kth. l. c. p. 357 ; Steud. l. c.—c.p. 3318.

HAB. Warmer parts of the island.

Spica fœm. l-floræ. *Flores masc.* 1-andri. *Caryopsis* hypogynio trilobo, lobis rotundatis, obtusis, subtus excavatis.

9. *S. lithosperma*, Willd. (haud N. ab Es.)—Kth. l. c. p. 349.—c.p. 826.

Var. β , *caryopsi* a basi fere ad apicem transversim rugoso-tuberculata, ferrugineo conspersa.—c.p. 2627.

HAB. Common in the hotter parts of the island.

Flores masc. monandri.

10. *S. pergracilis*, Kth. l. c. p. 354 ; Steud. l. c. p. 176.—*Hypoporum pergracile*, N. ab Es. l. c. p. 118.—c.p. 827.

HAB. South of the island, Gardner.

11. *S. Neesii*, Kth. l. c. p. 358 ; Steud. l. c. p. 175.—*Hypoporum capitatum*, N. ab Es. l. c.—c.p. 3037.

HAB. Common in the hotter parts of the island.

Spica masc. : *squamis* (in meis specim.) integris, lanceolatis, acutis, nec apice fimbriato-laceris, *floribus* triandris.

12. *S. junciformis*.—*Cylindropus junciformis*, N. ab Es. ; Kth. l. c. p. 360 ; Steud. l. c. p. 180.—c.p. 3225.

HAB. Caltura, Moon.

There is only a single imperfect specimen of the present plant in this Herbarium, and I can discover nothing in its structure to justify its separation from *Scleria*.

20. DIPLACRUM, R. Br.

1. *D. caricinum*, R. Br. Prod. 241 ; Kth. Enum. ii. p. 360, cum syn.—*D. Zeylanicum*, N. ab Es. in Wight's Contr. p. 119.—c.p. 3035.

HAB. Common in the warmer parts of the island.

Spicula fœm. uniflora, sæpius brevi-stipitata ; *squamis* oppositis, 2 (haud 4, ut N. ab Es. describ., cujus "squammæ inferiores" certe bracteæ sunt, una vel utraque spiculam masc. in axilla gerente). *Flores masc.* (in meis specim.) 1-2-andri.

21. CAREX, Linn.

Spica solitaria, androgyna.

1. *C. rara*, Boott in Linn. Trans. xx. p. 139 ; Illustrations of the genus *Carex*, p. 44, t. 109.—c.p. 3080.

HAB. Newera Ellia and Horton Plains, at an elevation of 6000 feet.

** *Spicis 2 vel pluribus, androgynis.*

2. *C. nubigena*, Don, Fl. Nep. p. 42; N. ab Es. in Wight's Contr. p. 120, cum syn.; Kth. Enum. ii. p. 385; Boott, Illustr. Car. p. 1, t. 2.—C.P. 2395.

HAB. Newera Ellia and other of the more elevated parts of the Central Province.

3. *C. spicigera*, N. ab Es. l. c. p. 121; Kth. l. c. p. 512; Boott, l. c. p. 10, t. 24.—C.P. 822; et *forma minor*, C.P. 824; *forma perigyniis angustioribus, subrostratis*, C.P. 2629.

Var. β ; *spicis omnibus ad apicem culmi conglomeratis*.—*C. rubella*, Boott.—C.P. 2966.

HAB. Very abundant in the Central Province, up to an elevation of 6000 feet; *forma minor*, Pedrotallagalla, Gardner, M. Wichura.

4. *C. leucantha*, Arn. MSS. (Boott, l. c. p. 10, t. 28.)—C.P. 2631.

HAB. Not very uncommon up to an elevation of 2000 feet.

5. *C. gracilis*, R. Br. Prod. 242; Boott, l. c. p. 59, t. 154, cum syn.—*C. lachnosperma*, Wall. N. ab Es. l. c. p. 124. *C. flexilis*, Don. *C. lenta*, Don; Spreng. Syst. iii. p. 811.—C.P. 2632.

HAB. Newera Ellia and Horton Plains.

6. *C. longipes*, Don, Fl. Nep. p. 43; N. ab Es. l. c.; Kth. l. c. p. 418.—C.P. 2749.

HAB. Maturatta and Hewahette Districts, rare.

7. *C. Bengalensis*, Roxb. Fl. Ind. iii. p. 572; Boott, l. c. p. 85, tt. 240, 243.—*C. valida*, N. ab Es. l. c. p. 123. An *C. condensata*, N. ab Es. l. c. p. 2.—C.P. 2628.

HAB. Common in the Central Province, up to an elevation of 4000 feet.

8. *C. cruciata*, Wahl. (Willd. Sp. Pl. iv. p. 248; N. ab Es. l. c.)—*C. filicina*, N. ab Es. l. c. *C. Lindleyana*, N. ab Es. l. c. *C. vacua*, Boott, Herb. Ind. Orient. Hook. f. and Thoms. (conf. *C. ramosa*, Schk., *C. meiogyna*, N. ab Es., *C. raphidocarpa*, N. ab Es., et *C. thyrsiflora*, Boott.).—C.P. 820, 3161.

HAB. Very abundant at an elevation of 3000 to 6000 feet.

An extremely variable plant, and, at a superficial glance, nothing can well look more distinct than the luxuriant form with spreading panicle, growing in damp shady places, and the smaller form with constricted panicle and larger flower-scales, growing on exposed downs, these forms, however, so merge into one another that I find it impossible to separate them into distinctly defined varieties.

9. *C. baccans*, N. ab Es. l. c. p. 122; Boott, l. c. p. 83, tt. 234–239; Kth. l. c. p. 513.—C.P. 821.

HAB. Common in the Central Province, up to an elevation of 6000 feet.

10. *C. Walkeri*, Arn. MSS. (Boott, l. c. p. 2, t. 4.)—C.P. 2751.

HAB. More elevated parts of the Central Province, not very common.

*** *Spicis unisexuis, vel intermediis androgynis, apicali mascula.*

11. *C. maculata*, Boott. (Linn. Trans. xx. p. 128; Illustr. Car. p. 9 t. 26.)—C.P. 2630.

HAB. Horton Plains, and in the more elevated parts of the Ambagamowa District.

12. *C. phacota*, Spr. (Syst. iii. p. 826; N. ab Es. l. c. p. 126; Boott, Illustr. Car. p. 63, t. 168, cum syn.)—C.P. 2965.

HAB. Not uncommon in the higher parts of the Central Province.

13. *C. Arnottiana*, Drejer, Symb. t. 5.—C.P. 3219.

HAB. Newera Ellia and other of the more elevated parts of the Central Province, common.

3-4-pedalis, foliis culmo subæquilongis. Spicæ cylindricæ, numerosæ, plerumque longiuscule pedunculatæ, intermediæ androgynæ. Squamæ oblongæ, subacutæ, fusco-purpureæ, carina cum apice cuspidato glabro viridi. Stigmata 2. Perigynium squama subæquilongum, ovoidem, compressum, fusco-ferrugineum, dimidio superiore scabriusculum, rostro brevi cylindrico truncato.

14. *C. lobulirostris*, Drejer, Symb. t. 14.—*C. Arnottiana*, Boott. Ann. Nat. Hist. xvii. p. 56.—C.P. 2633.

HAB. Horton Plains and Newera Ellia, at an elevation of 6000 to 7000 feet.

2-8-pedalis, foliis culmo longioribus. Bractæ longæ, basi vaginantes. Spicæ 4-5, cylindricæ, contiguæ, bipollicares, terminalis mascula, reliquæ femineæ, inferior pedunculata. Squamæ lanceolatæ, nigro-sanguineæ, medio trinerviæ fusco-virides, aristato-acuminatæ, acumine scabro. Stigmata 3, brevia. Perigynium ampulliforme, nervosum, fuscum, rostro truncato demum parum fisso.

15. *C. Jackiana*, Boott, Illustr. Car. p. 9, t. 25.—*C. instabilis*, Boott, in Herb. Ind. Or. Hook. f. and Thoms.—C.P. 3198. Var. β ; *breviculmis*.—C.P. 3781.

HAB. Horton Plains. Var. β . Ambagamowa District.

16. *C. breviculmis*, R. Br. (Prod. 242; Kth. l. c. p. 522.)—C.P. 2750.

HAB. Maturatta and Hewahette Districts, at an elevation of 4000 to 5000 feet.

1½-2-pedalis, bracteis longis, foliaceis. Spicæ fœm. 2-4, plus minus contiguæ, squamis late ovatis, acutis, breviuspidatis, pallide ferrugineis carina viridi, quam perigynium tomentosum ovoideum rostratum multo brevioribus. Spica masc. squamis muticis.

The present plant agrees very well with Brown's description of his *C. breviculmis*, but not having an authentic specimen of the latter I cannot be quite certain of their identity. Can *C. Boyleana*, N. ab Es., be a starved form of this species?

CLXVII. GRAMINEÆ.

1. LEERSIA, Soland.

1. *L. hexandra*, Sw. Fl. Ind. Occ. i. p. 131; Kunth, Enum. i. p. 6, —C.P. 877.

HAB. Very common up to an elevation of 4000 feet. Nom. vulg. "Layoo."

2. HYGRORYZA, N. ab Es.

1. *H. aristata*, N. ab Es. in Edinb. Phil. Journ. (1833) p. 380; Steud. Synops. Gram. p. 5.—*Potamochoa Retzii*, Griff. Notulæ, pars

3, p. 3, t. 140. *Leersia aristata*, Roxb. Fl. Ind. ii. p. 207.—C.P. 878.

HAB. Hotter parts of the island. Nom. vulg. "Gojabbā."

3. ORYZA, Linn.

1. *O. sativa*, Linn. (Kth. Enum. i. p. 7, cum syn.)—C.P. 2876.

HAB. Not uncommon in wet places, and apparently truly wild. Nom. vulg. "Goyang."

Numerous varieties of this plant are extensively cultivated by the Cinghalese.

4. LEPTASPIS, R. Br.

1. *L. urceolata*, Br. et Benn. in Plant. Jav. Rar. p. 23, t. 6.—*L. Zeylanica*, N. ab Es. MSS ; Steud. Syn. Gram. p. 8.—C.P. 972.

HAB. Shady places in the warmer parts of the island, not very uncommon.

FLOR MASC (in meis specim.) Ovarii rudimento minuto. FLOR. FÆM.: Stamina abortiva 6, minutissima

2. *L. cochleata*, Thw.; foliis oblongis vel obovato-oblongis, acuminate, glabris, glumis rotundatis, cuspidato-acuminatis, persistentibus. FLOR. FÆM.: palea inferiore incurvata, valde inflata, 5-costata, uncinato-pilosa.—C.P. 896.

HAB. Forests of the Central Province, up to an elevation of 4000 feet.

Culmi 2-3-pedales, basi procumbentes radicanesque. Folia 4-6 poll longa, 1½-1½ poll. lata, vagina 2-3 poll longa, ad apicem, cum petiolo semipollicari interne, pilosa. Paniculæ rami verticillati, terni, ramulis alternis spiculam alteram masc terminalem pedicellatam et alteram fœmin sessilem minute bracteatum gerentibus. Squamulæ 2, breves, crassiusculæ, truncatæ. FLOR MASC palea inferior rotundata, gradatim brevi-acuminata, superior linearis, apice bifida. Ovarii rudimentum stamin. abortiv 6, minutissimis cinctum. Stylus linearis, basi inflexus. Stigmata 3, plumosa, stylo parum breviora.

This species differs from the genus, as characterized by Brown, in the flowers having squamulæ.

5. COIX, Linn.

1. *C. Lacryma*, Linn. (Roxb. Fl. Ind. iii. p. 568; Kth. Enum. i. p. 20.)—C.P. 942.

HAB. Very common in cultivated ground. Nom. vulg. "Keekirindee."

6. CHIONACHNE, R. Br.

1. *C. Koenigii*.—*C. barbata*, Br. et Benn. in Pl. Jav. Rar. p. 18. *Coix Koenigii*, Spr. Syst. i. p. 239. *C. barbata*, Roxb. Fl. Ind. iii. p. 569. *C. arundinacea*, Kæn.; Willd. Sp. Pl. iv. p. 203 (haud Lam.).—C.P. 3137.

HAB. Central Province, not very uncommon.

7. PASPALUM, Linn.

1. *P. scrobiculatum*, Linn. (Kth. Enum. i. p. 53, cum syn.; Roxb. Fl. Ind. i. p. 278.)—*P. Kora*, Willd.; Roxb. l. c. p. 279. *P. orbiculare*, Forst. Prod. vii.

Var. α , Kth. l. c.; *pedicellis* simplicibus, *glumis* 7-8-nerviis.—c.p. 863.

Var. β , Kth. l. c.; *pedicellis* simplicibus, *glumis* 3-nerviis.—c.p. 865.

Var. γ , Kth. l. c.; *pedicellis* in media rachi bipartitis, *glumis* 3-nerviis.—c.p. 2434.

HAB. Very abundant; var. α is cultivated by the Cinghalese. Nom. vulg. "Ammoo."

2. **P. Royleanum**, N. ab Es. MSS.

Var. β ; *gluma* inferiore nulla.—c.p. 859.

HAB. Very common on the borders of paddy-fields.

3. **P. filiculme**, N. ab Es. MSS.—An *P. bifarium*, Edgew. in Journ. As. Soc. (1852) p. 187; Steud. Syn. Gram. p. 32? *Milium filiforme*, Roxb. l. c. p. 314.—c.p. 860 (2573).

HAB. Not uncommon in the Central Province.

8. ERIOCHLOA, Humb. et Kth.

1. **E. annulata**, Kth. Enum. i. p. 73; Benth. Flor. Hongk. p. 409.—*Milium ramosum*, Roxb. Fl. Ind. i. p. 315.—c.p. 3323.

HAB. Hotter parts of the island.

9. PANICUM, Linn.

1. **P. sanguinale**, Linn. (Kth. Enum. i. p. 82, cum syn.) Var. β ; australe.—*P. australe*, Spr.; Kth. l. c. p. 85, cum syn. *P. Ægyptiacum*, Retz; Kth. l. c. p. 83, cum syn.—c.p. 856, 857, 861.

HAB. Extremely abundant.

2. **P. ciliare**, Retz. (Kth. l. c. p. 82, cum syn.)—*P. Neesii*, Kth. l. c. p. 84.—c.p. 862.

HAB. Common in sandy places.

3. **P. Wallichianum**, W. U. (Steud. Synops. Gram. p. 41.)—c.p. 3249.

HAB. More elevated parts of the Central Province.

4. **P. Helopus**, Trin. (Steud. l. c. p. 57.)—*Urochloa pubescens*, Kth. l. c. p. 74, cum syn.—Var. β ; spiculis glabris, Munro, MSS.—c.p. 3244.

HAB. South of the island.

5. **P. Javanicum**, Poir. (Steud. l. c. p. 61.)—*Urochloa panicoides*, Beauv.; Kth. l. c. cum syn.—c.p. 858.

HAB. Common in the hotter parts of the island.

6. **P. semialatum**, R. Br. i. 192.—*Urochloa semialata*, Kth. l. c.—c.p. 3239.

HAB. Oova District, up to an elevation of 5000 feet.

7. **P. cimicinum**, Retz, Obs. iii. p. 9.—*Urochloa cimicina*, Kth. l. c. cum syn.—c.p. 911.

HAB. Very abundant.

8. **P. Burmanni**, Retz, Obs. iii. p. 10; Steud. l. c. p. 44, cum syn.—*Oplismenus Burmanni*, Beauv.; Kth. l. c. p. 139. Var. spiculis glabris.—c.p. 3683.

HAB. Central Province, under the shade of trees.

9. **P. compositum**, Linn.—*Oplismenus compositus*, R. and S.; Kth. l. c. p. 141, cum syn.—c.p. 913.

HAB. Common throughout the island.

An extremely variable species, some examples being nearly glabrous, and others densely pubescent.

10. **P. Crus-galli**, Linn.—*Oplismenus Crus-galli*, Kth. l. c. p. 143, cum. syn. *P. stagninum*, Koen. in Willd. Sp. Pl. i. p. 337. *Oplism. stagninus*, Kth. l. c. p. 144, cum syn.—c.p. 900, 3237.

Var. β ; *minor*.—*P. Colonum*, Linn. *Oplism. Colonum*, H. and K.; Kth. l. c. p. 142, cum syn.—c.p. 901.

HAB. Very common in the hotter parts of the island.

11. **P. fluitans**, Retz. (Willd. Sp. Pl. i. p. 338; Roxb. Fl. Ind. i. p. 293; Kth. l. c. p. 78.)—*P. affine*, N. ab Es.—c.p. 864, 897 (898).

HAB. Abundant in wet places in the hotter parts of the island.

12. **P. brizoides**, Linn. (Jacq. Ecl. i. t. 2; Kth. l. c. cum syn.)—*P. flavidum*, Retz; Kth. l. c. cum syn.—c.p. 902.

HAB. Very common in the warmer parts of the island.

13. **P. cruciforme**, Sibth. (Kth. l. c. p. 78.)—*P. Caucasicum*, Trin. *P. Wightii*, N. ab Es.; Steud. l. c. p. 58.—c.p. 903.

HAB. Not uncommon in cultivated ground.

14. **P. distachyum**, Linn. (Kth. l. c. p. 91, cum syn.)—c.p. 904.

HAB. Very abundant.

15. **P. prostratum**, Lam. (Kth. l. c. p. 89, cum syn.; Steud. l. c. p. 62, cum syn.)—c.p. 905. Forma major, c.p. 3236.

HAB. Common in the hotter parts of the island.

16. **P. coccospermum**, Steud. l. c. p. 62.—*P. vestitum*, N. ab Es. (haud Kth.)—c.p. 3241.

HAB. Central Province, up to an elevation of 6000 feet.

17. **P. uncinatum**, Raddi. (Trin. Ic. t. 216; Steud. l. c. p. 60.)—*Echinolana? polystachya*, H. and K.; Kth. l. c. p. 172, cum syn.—c.p. 710.

HAB. Common in the Central Province in damp, shady places.

18. **P. ovalifolium**, Poir. (Kth. l. c. p. 113, cum syn.; Benth. Flor. Hongk. p. 413.)—c.p. 889.

HAB. Common in the warmer parts of the island.

Rhachis paniculae plus minus patentem longe pilosa, *floribus apicalibus* longe albido-villosi.

19. **P. trigonum**, Retz, Obs. iii. p. 9; Willd. Sp. Pl. i. p. 352.—*P. radicans*, Retz, iv. p. 18; Willd. l. c. p. 354. *P. pilipes*, N. ab Es.—c.p. 100, 886, 887, 888, 891 (709).

HAB. Very abundant throughout the island.

An extremely variable species as regards its size and hairiness. All the forms have the flat callous spot at the apex of the inferior palea of the fertile flower.

20. **P. Petiverii**, Trin. (N. ab Es. in Mart. Bras. ii. p. 111; Kth. l. c. p. 91, cum syn.)—c.p. 895.

HAB. Damboul, *Gardner*.

21. **P. Gardneri**, Thw.; culmis ramosis, basi repentibus, radican-

bus; *foliis* lanceolatis, acuminatis, basi rotundatis, subcordatis; *pani-
cula* aperta; *spiculis* majusculis, solitariis, longe pedicellatis; *glumis*
ovato-lanceolatis, acutis, inferiore 5-nervia, parum brevior, superiore
7-nervia; *flor. ster.* bipaleaceo, *palea inferiore* gluma superiore con-
formi; *flor. hermaphr.* obtuso, eadem parum brevior.—C.P. 894.

HAB. Forests of the Central Province, at an elevation of 4000 to 6000 feet.

Tota planta villosula vel subglabra, sæpius purpurascens. *Culmi* $\frac{1}{2}$ –2-pedales.
Folia $1\frac{1}{2}$ –5 poll. longa, 4–10 lin. lata, *vagina* ad marginem superne villosa, *ligula*
brevis, erosa. *Panicula* 3–6 poll. longa. *Spicula* $1\frac{1}{2}$ –2 lin. longæ.

This species bears a very great general resemblance to *Isachne Walkeri*, W. et A., but is quite distinct from it. The much larger spikelets of the present distinguish it at once from *P. montanum*, Roxb.

22. *P. montanum*, Roxb. Fl. Ind. i. p. 313; Kth. l. c. p. 126; Benth. Flor. Hongk. p. 412.—*P. Courtallense*, N. ab Es.; Steud. l. c. p. 83. *P. euchroum*, Steud. l. c. p. 98, cum syn.—C.P. 892.

HAB. Central Province, not very common.

23. *P. antidotale*, Retz, Obs. iv. p. 17; Kth. l. c. p. 125; Steud. l. c. p. 77.—C.P. 971.

HAB. Hotter parts of the island.

Used medicinally by the Cinghalese.

24. *P. plicatum*, Lam. (Kth. l. c. p. 94.)—*P. Nepalense*, Spr.; Kth. l. c. *P. plicatum*, *P. nervosum*, et *P. costatum*, Roxb. Fl. Ind. pp. 311, 312. *P. neurodes*, Schultz.—C.P. 890.

HAB. Not uncommon up to an elevation of 2000 feet.

25. *P. milliaceum*, Linn. (Roxb. l. c. p. 310; Kth. l. c. p. 104.)—*P. miliare*, Lam. (Roxb. l. c. p. 309; Kth. l. c.)—C.P. 882, 893.

HAB. Very common. Nom. vulg. "Mainaiee."

26. *P. psilopodium*, Trin. (Kth. l. c. p. 100, cum syn.)—C.P. 236. (An *P. miliacet* var. ? Hook. f.)

HAB. Equally common with the preceding, and also cultivated by the Cinghalese under the same name.

27. *P. repens*, Linn. (Kth. l. c. p. 103, cum syn.)—*C. paludosum*, Roxb. l. c. p. 307. *P. ischæmoides*, Retz, Obs. 4, 17.—C.P. 883 (3049).

HAB. Very abundant. Nom. vulg. "Attora."

Much valued by the Cinghalese as a good fodder for cattle, but a troublesome weed in gardens.

28. *P. humile*, N. ab Es. (Steud. l. c. p. 84.)—C.P. 3243.

HAB. South of the island.

29. *P. Leptochloa*, N. ab Es. (Steud. l. c. p. 62.)—C.P. 918.

HAB. Not uncommon up to an elevation of 2000 feet.

30. *P. nodosum*, Kth. l. c. p. 97, cum syn.; Benth. Flor. Hongk. p. 412, cum syn.—*P. Arnottianum*, N. ab Es.; Steud. l. c. p. 59.—C.P. 964.

HAB. Common in damp shady places in the warmer parts of the island.

31. *P. curvatum*, Linn. (Steud. l. c. p. 67, vix Roxb. Fl. Ind. p. 286.)—C.P. 3240.

HAB. Hotter parts of the island.

Gluma superior basi saccata

32. *P. auritum*, Presl, N. ab Es. (Kth. l. c. p. 113.)—c.p. 3242.

HAB. Saffragam District, at no great elevation.

33. *P. Myrus*, Lam. (Kth. l. c. p. 86, cum syn.)—*P. serrulatum*, Roxb. l. c. p. 307.—c.p. 3238.

HAB. In hotter places in the hotter parts of the island.

I can find no sufficient specific difference between the Ceylon plant and a specimen of *P. Myrus*, from Guiana.

34. *P. interruptum*, Willd. (Kth. l. c. p. 87, cum syn.; Roxb. l. c. p. 289.)—c.p. 910.

HAB. Common in wet places in the warmer parts of the island.

35. *P. Indicum*, Linn. (Kth. l. c. p. 133; Benth. Flor. Hongk. p. 413, cum syn.)—*P. angustum*, Trin., et *P. contractum*, N. ab Es.; Steud. l. c. p. 84.—c.p. 885, 908, 909.

HAB. A very abundant species.

36. *P. glaucum*, Linn.—*Setaria glauca*, Beauv.; Kth. l. c. p. 149, cum syn.—c.p. 907.

HAB. Very common throughout the island. Nom. vulg. "Kāooloo."

37. *P. intermedium*, Rottb. Nov. Sp. p. 47.—*Setaria intermedia*, R. S.; Kth. l. c. p. 150.—c.p. 906.

HAB. Not uncommon in damp, shady places.

38. *P. verticillatum*, Linn.—*Setaria verticillata*, Beauv.; Kth. l. c. p. 152, cum syn.—c.p. 3246.

HAB. South of the island, apparently not very common.

Panicum jumentorum, Pers., and *P. barbinode*, Trin., are largely cultivated as fodder for horses and cattle. *P. italicum*, Linn., is cultivated by the natives as a food grain, as is also *Penicillaria cylindrica*.

10. ICHNANTHUS, Beauv.

1. *I. pallens*, Munro. (Benth. Fl. Hongk. p. 414, cum syn.)—*Panicum pallens*, Sw.; Kth. Enum. i. p. 89, cum syn.—c.p. 2755.

HAB. Deltotte, in the Central Province, at an elevation of 4000 feet.

11. STENOTAPHRUM, Trin.

1. *S. complanatum*, Schr. (Kth. Enum. i. p. 137, cum syn.)—*Rottbællia complanata*, Sw.—*Panicum dimidiatum*, Linn.; Roxb. Fl. Ind. i. p. 287.—c.p. 912.

HAB. Not uncommon in the hot, drier parts of the island.

12. ISACHNE, R. Br.

1. *I. Walkeri*, W. et A. (Steud. Synops. Gram. p. 97.)—c.p. 282.

HAB. Not very uncommon in forests of the Central Province.

2. *I. australis*, R. Br. (Prod. 196; Kth. Enum. i. p. 136; Benth. Fl. Hongk. p. 414, cum syn.)—*I. miliacea*, Rottb. Nov. Sp. p. 58. *Panicum atrovirens*, Trin.; Kth. l. c. p. 127. *P. Batavicum* et *P. Benjaminei*, Steud. l. c. p. 96.—c.p. 880.

Var. *β. multiflora*; elatior; *panicula* majore, multiflora; *spiculis*

minoribus, glabris; flore sterili quam hermaphr. fere duplo longiore.—c.p. 3671.—Forsan species distincta.

HAB. Very abundant. Var. β . Oova District, at an elevation of 5000 feet.

3. **I. Kunthiana**, W. et A. (Steud. l. c. p. 96.)—*I. Neesiana*, Herb. Arn. *Panicum cuspidigluma*, Steud. l. c.—c.p. 881 (314).

HAB. More elevated parts of the Central Province.

Glumæ subrostrato-acuminatæ, glabræ vel versus apicem rigide pilosæ, floribus inter se æquilongis longiores.

A variable plant as regards size of the leaves and amount of pubescence. Possibly a variety only of the preceding species, which it greatly resembles.

4. **I. pulchella**, Roth, Nov. Sp. p. 58; Benth. Fl. Hongk. p. 414.—*Panicum Malaccense*, Trin.; Kth. l. c. p. 113. *Grayia elegans*, N. ab Es.; Steud. l. c. p. 119, cum syn.—c.p. 879.

HAB. Hantani, *Macrae*; Reigam Corle.

13. SPINIFEX, Linn.

1. **S. squarrosus**, Linn. (Kth. Enum. i. p. 175, cum syn.)—c.p. 947.

HAB. Common on the sand of the sea-coast.

14. THOUAREA, Pers.

1. **T. sarmentosa**, Pers. Syn. i. p. 110. (Kth. Enum. i. p. 174; Benth. Fl. Hongk. p. 415.)—c.p. 3260.

HAB. Sea-coast near Tangalle.

15. TRACHYS, Pers.

1. **T. mucronata**, Pers. Syn. i. p. 85. (Kth. Enum. i. p. 168, cum syn.)—*Panicum squarrosus*, Retz; Willd.; Roxb. Pl. Cor. t. 206; Roxb. Fl. Ind. i. p. 288.—c.p. 3262.

HAB. Jaffna, *Gardner*.

16. LAPPAGO, Schreb.

1. **L. racemosa**, Willd. (Kth. Enum. i. p. 170, cum syn.)—c.p. 3682.

HAB. Trincomale, *Rev. S. O. Glenie*.

17. ARUNDINELLA, Raddi.

1. **A. nervosa**, N. ab Es. (Steud. Synops. Gram. p. 115.)—*A. agrostoides*, Trin.; Steud. l. c. p. 116. *Holcus nervosus*, Roxb. Fl. Ind. i. p. 318.—c.p. 919.

HAB. Common in the Central Province, up to an elevation of 5000 feet.

2. **A. villosa**, W. et A. (Steud. l. c. p. 115.)—c.p. 960.

HAB. More elevated parts of the Central Province.

Culmi basi dense albido-tomentosi.

3. **A. avenacea**, Munro, MSS.—c.p. 3471.

HAB. Saffragam District, at no great elevation.

Culmi debiles, ramosi, radicanes. *Folia* parva, ovato-lanceolata, sparse pilosula,

dimidio inferiore distanter rigide ciliata, basi cordata, amplexicaulia. *Panicula* pollicaris, compacta. *Glumæ* lanceolatae, apice setaceæ, inferior superne hispida. *Flos hermaphr.* pilosus, arista valida, complanata, torta, supra medium attenuata munitus.

18. GARNOTIA, Brongn.

Miquelia, N. ab Es.; *Berghausia*, Endl.

1. *G. stricta*, Brongn. (Benth. Fl. Hongk. p. 416, cum syn.)—*Berghausia mutica*, Munro, in Proc. Am. Acad. 4, p. 362.—C.P. 2968.

HAB. More elevated parts of the Central Province.

Much used for thatching.

2. *G. scoparia*.—*Berghausia scoparia*, Munro.—C.P. 943.

HAB. Hotter parts of the island, not uncommon.

Culmi 2-4-pedales, erecti. *Folia* angusta, *vaginis* latis, distichis, margine longe sericeo-pilosis. *Panicula* densa, 1-2-pedalis, ramis plurimis, longiusculis, suberectis. *Spiculæ* 1½ lin. longæ, basi pilis brevibus paucis cinctæ. *Gluma* anguste lanceolata, setaceo-acuminata, scabriuscula. *Palea inferior flor. hermaphr.* acuta, longe aristata.

3. *G. fuscata*, Thw.; *culmis* tenuibus, basi repentibus, ramosis, radican-
tibus, nodis glabris; *foliis* firmis, brevibus, lineari-lanceolatis,
sparsissime longiuscule pilosis, vagina glabra apice pilosa; *panicula*
parva, pauciflora; *pedicellis* apice piliferis; *gluma* subglabra, lanceo-
lata, apice longiuscule setacea; *palea inferiore flor. hermaphr.* longe
aristata.—C.P. 2756.

HAB. Saffragam District, at an elevation of 4000 feet.

Culmi 1-2-pedales *Folia* 1-2 poll. longa, circiter 2 lin. lata.

4. *G. Courtallensis*.—*Miquelia Courtallensis*, Arn. and N. ab Es.;
Steud. Synops. Gram. p. 119.—C.P. 454.

HAB. Central Province, at an elevation of 4000 feet.

Tota planta pallida vel plus minus nigrescens. *Culmi* ½-2-pedales. *Folia* pilosa
vel glabra, 1-4 poll. longa, 1-3 lin. lata. *Spiculæ* 1½ lin. longæ. *Gluma* pilosa,
acuta nec setacea.

5. *G. micrantha*, Thw.; *culmis* tenuibus, basi repentibus, radican-
tibus, nodis pilosis; *foliis* lineari-lanceolatis, valde acuminatis, breve pi-
losulis vel subglabris, vagina apice pilosa; *panicula* elongata, ramis
capillaceis, scabris; *pedicellis* ad apicem parvisime piliferis; *spiculis*
minutis, aliis aristatis, aliis muticis, vel omnino muticis; *gluma* scabra,
acuta, apice setacea.—C.P. 944, 945.

HAB. Central Province, at an elevation of 2000 to 4000 feet.

Culmi 1-2½-pedales. *Folia* 3-8 poll. longa, 2-4 lin. lata. *Panicula* sæpe peda-
lis. *Spiculæ* 1 lin. longæ.

In general appearance very like *G. ascendens*, Munro, but the spikelets of the
present plant are much smaller, and with scarcely a trace of the circle of hairs at
their base.

19. OROPETIUM, Trin.

1. *O. Thomæum*, Trin. (Kth. Enum. i. p. 464, cum syn.)—*Rottbællia*
Thomæa, Willd.; Roxb. Pl. Cor. ii. t. 133.—C.P. 872.

HAB. Bintenne Tank, Gardner.

20. HEMARTHRIA, R. Br.

1. *H. compressa*, R. Br. (Kth. Enum. i. p. 465, cum syn.)—*Rott-*

ballia compressa, Linn.; Roxb. Pl. Cor. ii. t. 156. *H. fasciculata*, Kth. l. c.—c.p. 3254.

HAB. Warmer parts of the island, not uncommon.

21. MNESITHEA, Kth.

1. *M. lævis*, Kth. Enum. i. p. 466, cum syn.—*Rottbællia lævis*, Retz; Willd. Sp. Pl. i. p. 465.—c.p. 873.

HAB. Hotter parts of the island.

22. ROTTBÆLLIA, Linn.; R. Br.

1. *R. exaltata*, Linn. (Kth. Enum. i. p. 466, cum syn.)—c.p. 2386.

HAB. Common in the hotter parts of the island.

2. *R. nigrescens*, Thw.; *culmis* suberectis, sæpe elongatis, nodis glabris; *foliis* lineari-lanceolatis, acuminatis, basi late subcordatis ciliatisque; *ligula* rotundata, lacerato-ciliata; *spicæ* axillares terminalesque, solitariae vel binæ; *gluma* exterior *spiculæ sessilis* ovata, rigida, tessellato-punctata, apice membranaceo-auriculata; *spicula pedunculata* parum brevior, epunctata, biflora, flore altero masculo, altero neutro.—c.p. 867.

HAB. Central Province, at an elevation of 4000 feet.

Siccitate nigrescens. *Folia* 4-8 poll longa, 4-7 lin lata, pilosa vel glabra, marginè scabra. *Spicæ* 2-3-pollicares. *Spiculæ* 1½ lin. longæ.

Althd to *R. striata*, N ab Es, but the pedicellate spikelet of the present species is much more developed, and the outer glume of the sessile one is wider and more entirely tessellated.

23. MANISURIS, Linn.

1. *M. granularis*, Sw. (Kth. Enum. i. p. 469, cum syn.; Roxb. Pl. Cor. ii. p. 118)—c.p. 81.

HAB. Common in the hot, drier parts of the island.

24. APLUDA, Linn.

1. *A. aristata*, Linn. (Kth. Enum. i. p. 516, cum syn.; Steud. Syn. Gram. p. 403, cum syn; Roxb. Fl. Ind. i. p. 324.)—*A. rostrata*, N. ab Es.; Steud. l. c.—c.p. 59, 3165, 3166.

HAB. Very abundant up to an elevation of 4000 feet.

25. ISCHÆMUM, Linn.

1. *I. muticum*, Linn. (Kth. Enum. i. p. 512, cum syn.)—c.p. 868, 3048.

HAB. Common in the hotter parts of the island.

2. *I. rugosum*, Salisb. (Willd. Sp. Pl. iv. p. 940; Gærtn. de Fruct. iii. p. 2, t. 181.)—*I. segetum*, Trin.; Steud. Synops. Gram. p. 376, cum syn. *Andropogon Tong-dong*, Steud. l. c. p. 375, cum syn.—c.p. 870.

HAB. Hotter parts of the island.

3. *I. barbatum*, Retz. (Willd. l. c.; Kth. l. c. p. 513, cum syn.; Benth. Fl. Hongk. p. 425.)—*Meoschium lodiculare*, N. ab Es. *M. Neesianum*, Arn., et *M. Meyenianum*, N. ab Es.; Steud. l. c. p. 375.—c.p. 700, 869, 994.

HAB. South of the island.

Spiculæ subglabræ vel plus minus pilosæ.

A coarser plant than the preceding, with the sessile *spiculæ* narrower in proportion to their length, and less regularly rugose. The two are, however, very closely allied.

4. **I. semisagittatum**, Roxb. Fl. Ind. i. p. 320; Steud. l. c. p. 376.—C.P. 2625.

HAB. Ambagamowa District.

Folia (in meis specimin.) tuberculata, pilosa. *Spicul. sess.* gluma inferior late 3-rugosa. *Spicul. pedicell.* pedicellus gluma inferiore plana striata parum brevior.

5. **I. conjugatum**, Roxb. Fl. Ind. i. p. 321; Kth. l. c. 513.—*Andropogon cordatifolius*, Steud. l. c. p. 376.—C.P. 3263.

HAB. Colombo, Mr. W. Ferguson.

6. **I. pectinatum**, Trin. (Steud. l. c. p. 369, cum syn.)—*Andropogon fulcatus*, Steud. l. c.—C.P. 3322.

HAB. Hotter parts of the island, in wet ground.

7. **I. nervosum**.—*Hologamium nervosum*, N. ab Es. in Edinb. Phil. Journ. anno 1831, p. 185. *Andropogon nervosus*, Rottb.; Steud. l. c. p. 370. An *Andropogon striatus*, Klein, in Willd. Sp. Pl. iv. p. 903?—C.P. 3138.

HAB. Oodoopusalawa in the Central Province, at an elevation of 3000 to 4000 feet.

26. SPODIOPOGON, Trin.

1. **S. obliquivalvis**, N. ab Es. in Pl. Meyen. 185; Benth. Fl. Hongk. p. 426, cum syn.—*Andropogon malacophyllus*, Hochs.; Steud. Synops. Gram. p. 372. *A. Macraei*, Steud. l. c. p. 377, cum syn. *A. Blumei* et *A. bifidus*, Steud. l. c. p. 373. An *Ischæmum geniculatum* et *I. tenellum*, Roxb. Fl. Ind. i. pp. 322, 323?—C.P. 875, 874, 3235, 3168, 3167.

HAB. Common throughout the island.

A very variable plant, and the extreme forms of it very different in appearance, but, from the examination of a large number of specimens, I feel satisfied they may be safely arranged under one specific name. The larger hairy form occurs at a considerable elevation on the hills.

27. APOCOPIS, N. ab Es.

1. **A. Wightii**, N. ab Es. MSS.—*Andropogon Courtallumensis*, Steud. Synops. Gram. p. 377.—C.P. 401.

HAB. Galagama, in the Central Province, at an elevation of 3000 to 4000 feet.

Culmi ramosi, 1-2-pedales. *Folia* angusta, acuminata, sparse tuberculata, longiuscule pilosa. *Spica* pollicaris, pallide fulva. *Rachis* uno latere pedicellisque fulvo-pilosis. *Spicula sessilis* 1½ lin. longa, arista semipollicari. *Gluma inferior* incomplete 7-nervia, basi, cum margine rufescente, longiuscule fulvo-pilosa.

This would seem to be very closely allied to *A. Wrightii*, Munro, described in Bentham's Fl. Hongkongensis.

28. POGONATHERUM, Beauv.

1. **P. saccharoideum**, Beauv. (Benth. Flor. Hongk. p. 421.)—*P. cri-*

nitum, Trin. ; Kth. Enum. i. p. 478, cum syn. *P. refractum*, N. ab Es. ; Steud. Synops. Gram. p. 412.—c.p. 936.

HAB. Very common in the warmer parts of the island.

29. CHRYSOPOGON, Trin.

1. *C. aciculatus*, Trin.—*Andropogon acicularis*, Retz ; Kth. Enum. i. p. 505, cum syn.—c.p. 917.

HAB. Extremely abundant in open ground, in the warmer parts of the island.

2. *C. Wightianus*.—*Andropogon Wightianus*, Steud. Synops. Gram. p. 395, cum syn.—c.p. 3248.

Var. β ; *leucantha*.—*Spiculis* minoribus, albidis, pilosioribus ; *pedicellis* spicul. masc. brevibus, longe aureo-fulvo-pilosis.—c.p. 2954. An species distincta ?

HAB. Doomberra District.

3. *C. Zeylanicus*.—*Raphis Zeylanica*, N. ab Es. MS. *Andropogon Zeylanicus*, Steud. l. c. p. 397.—c.p. 996.

HAB. Not uncommon up to an elevation of 6000 feet.

30. ANTHISTIRIA, Linn.

1. *A. ciliata*, Retz, Obs. iii. p. 11 ; Kth. Enum. i. p. 481, cum syn.—c.p. 3257.

Var. β ; *major*.—*A. arguens*, Willd. ; Kth. l. c. p. 482, cum syn.—c.p. 962.

HAB. Common up to an elevation of 4000 feet.

2. *A. tremula*, N. ab Es. (Steud. Synops. Gram. p. 401.)—c.p. 961.

HAB. Very abundant throughout the island. Non. vulg. "Paineë-bāroo."

3. *A. fasciculata*, Thw. ; *culmis* suberectis, glabris ; *foliis* linearibus, margine scabris, sæpius villosulis ; *pedunculis* axillaribus, 2-5-nis, folio subæquilongis, singulis spicas duas 7-stachyas gerentibus : *spiculis masculis* 6, lanceolatis, pilosulis, pedicellatis, 2 superiorum gluma inferiore apice setacea ; *spicula hermaphr.* glumis parum truncatis, inferiore dense pilosa ; *arista* longissima, valde robusta, aureo-pilosa.—c.p. 940.

HAB. Badulla District, up to an elevation of 3000 feet.

Culmi graciles, 2-pedales, uno latere sulcati. *Pedunculi* 3-pollicares, filiformes, infra medium articulati, bibracteati, bractea basali hyalina, superiore sæpe ad apicem pedunculi attingente. FLOR. MASC. : bipaleacci.

4. *A. heteroclita*, Roxb. Flor. Ind. i. p. 249.—*Andropogon heteroclitus*, N. ab Es. ; Steud. l. c. p. 389.—c.p. 963.

HAB. Common in the more elevated parts of the Central Province.

31. ANDROPOGON, Linn.

1. *A. Halepensis*, Sibth. (Kth. Enum. i. p. 502, cum syn.—c.p. 2484.

HAB. Not uncommon in the Central Province.

2. *A. tropicus*, Spr. (Kth. l. c. p. 503, cum syn. ; Benth. Flor. Hongk. p. 423.)—*Holcus fulvus*, R. Br., and var. *mutica*.—c.p. 419.

HAB. Badulla District.

3. *A. venustus*, Thw.; *culmis* erectis, altiusculis, basi albopilosis; *foliis* longis, linearibus, margine scabris, vagina ad apicem pilosa; *panicula* majuscula, decomposita, aperta, articulis pedicellisque ad apicem piliferis; *spiculis* anguste lanceolatis, acuminatis, subglabris, *sessili* hermaphr. longe aristata, *pedicellata* mascula, bipaleacea, mutica.—C.P. 2875.

HAB. Rambodde, in the Central Province, at an elevation of 4000 feet.

Panicula purpurascens, pedalis vel ultra, ramis capillaribus, distanter subverticillatis, plus minus pendulis. *Spicula* $1\frac{1}{2}$ –2 lin. longæ, mascula brevi-pedicellata, palea inferiore aliquando apice setacea.

4. *A. Martini*, Roxb. Fl. Ind. i. p. 277; Kth. l. c. p. 494; Benth. Fl. Hongk. p. 424.—*A. flexuosus*, N. ab Es.; Steud. Synops. Gram. p. 388.—C.P. 2733.

HAB. Central Province, covering considerable areas at an elevation of 2000 to 4000 feet. Nom. vulg. "Maana."

From the leaves of a cultivated variety of this species (nom. vulg. "Pangare-maana") is distilled the "citronella oil" of commerce. "Lemon oil" is derived from *Andropogon Schænanthus*, Linn, which is considered not to be indigenous to the island, and which rarely produces flowers.

5. *A. versicolor*, N. ab Es. (Steud. l. c. p. 388.)—C.P. 3135.

HAB. More elevated parts of the Central Province.

The inflorescence of this species has, when crushed, a rather agreeable aromatic odour. The essential oil appears to be situated principally at the base of the spikelets.

6. *A. distans*, N. ab Es. (Steud. Synops. Gram. p. 387.)—C.P. 3784.

HAB. Newera Ellia.

7. *A. lividus*, Thw.; cæspitosus, culmis erectis, rigidiusculis, nodis glabris; *foliis* lineari-lanceolatis, acuminatis, glabris, ligula majuscula oblonga; *pedunculis* terminalibus axillaribusque, 1–4; *spiciis* binis, subsessilibus; *rachi* *pedicellis*que longe ciliatis; *spiculis* glabris, lanceolatis; *spicula sessilis* gluma inferiore supra medium ad nervos 2 laterales alata, flore hermaphr. aristato; *spicula pedicell.* gluma inferiore vix alata, flore masculo, unipaleaceo.—C.P. 953.

HAB. Newera Ellia and other of the more elevated parts of the Central Province.

Siccitate fuscescens. Culmi bipedales vel ultra. *Spica* $1\frac{1}{2}$ –2 poll. longæ. *Spicula* 3 lin. longæ.

8. *A. polyptychos*, Steud. l. c. p. 380, cum syn.—C.P. 32.

HAB. Pedrotalagalla, at an elevation of 7000 feet.

Dense cæspitosus. Folia longiuscula, pedalia vel ultra. Culmi $1\frac{1}{2}$ –2-pedales. *Spica* sæpiissime 3, valde fragiles, bipollicares. *Spicula* $2\frac{1}{2}$ lin. longæ; *pedicellata* flore masculo, bipaleaceo, palea pilosis.

9. *A. pertusus*, Willd. Sp. Pl. iv. p. 922; Roxb. Fl. Ind. i. p. 258.—*A. punctatus*, Roxb. l. c. p. 264. *A. fascicularis*, Roxb. l. c. p. 265.—C.P. 411, 951.

HAB. Very abundant in the hotter parts of the island.

Spica plus minus distanter subverticillatæ vel ad apicem racheos subfasciculatæ. Gluma exterior spicularum omnium, vel tantum sessilium, vel harum partim foveolata, vel aliquando omnino efoveolata. *Spicula pedicel.* mascula unipaleacea, vel neutra epaleacea.

10. *A. scandens*, Roxb. l. c. p. 258.—c.p. 3258.

HAB. Hot, drier parts of the island.

Closely allied to the preceding, and differing from it principally in the prominently nerved, hairy, and more acute inferior glume of the spikelets, and which I have in no instance observed foveolate.

11. *A. lancifolius*, Trin. (Steud. l. c. p. 382, cum syn.)—*Batratherum molle*, N. ab Es. MSS.—c.p. 3136.

HAB. Badulla District.

Basin versus spicarum spiculæ pedicellatæ sæpissime desunt.

12. *A. rudis*, Steud. l. c. p. 383.—*Batratherum rude*, N. ab Es. MS.—c.p. 866.

HAB. Not uncommon in the Central Province.

13. *A. muricatus*, Retz (Kth. Enum. i. p. 505, cum syn.)—*Anatherum muricatum*, Beauv.—c.p. 871.

HAB. Hotter parts of the island.

14. *A. Zeylanicus*, Arn. (haud N. ab Es.); Benth. Fl. Hongk. p. 423.—*A. pseudograya*, Steud. l. c. p. 395. *A. semiberbis*, Steud. l. c. *Schizachyrium semiberbe*, N. ab Es.—c.p. 3079.

HAB. Central Province, at an elevation of 3000 to 4000 feet.

32. HETEROPOGON, Pers.

1. *H. hirtus*, Pers. Syn. ii. p. 533; Benth. Fl. Hongk. p. 424.—*Andropogon contortus*, Linn.; Kth. Enum. i. p. 486.—c.p. 69.

HAB. Common throughout the island.

2. *H. concinnus*, Thw.; *culmis* tenuibus, ramosis; *foliis* linearibus, superne glanduloso-pilosis; *spicul. sessil. gluma inferiore* obovata, obtusa, ciliata, 9-nervia, vix convoluta, *superiore* lanceolata, 3-nervia, quam inferior parum longiore; *spicul. pedicell. gluma inferiore* obovata, villosula, plurinervia, *superiore* lanceolata, 5-nervia, *flore* masculo, unipaleaceo, 3-andro.—c.p. 3556.

HAB. Bibili, in the Badulla District, at no great elevation.

Spica 1-1½-pollicaris, pallide viridis, rachi pedicellisque longe albo-pilosis. *Spicula* 1½ lin. longæ. *Arista* flor. hemaphr. 7 lin longa, pilosula.

Without a careful examination, this might easily be taken for a species of *Apopis*.

33. POLLINIA, Trin. Benth. Fl. Hongk.

Eulalia, Kunth.

1. *P. tristachya*.—*Andropogon tristachyos*, Roxb. Fl. Ind. i. p. 256. *Saccarum tristachyum*, Steud. Synops. Gram. p. 408.—c.p. 995.

Forma spiculis majoribus.—c.p. 949.

HAB. Central Province, up to an elevation of 7000 feet.

Valde variabilis. *Spice* 2-10, 1½-6 poll. longæ. *Spiculæ* 1-2½ lin. longæ.

The form with larger spikelets occurs at the greatest elevations, and in wet peaty soil, and has most commonly two spikes to the panicle.

2. *P. Cumingii*, N. ab Es. MS.—*Andropogon aureo-fulvus*, Steud. l. c. p. 373, cum syn. An *A. aureo-villosus*, Steud. l. c. p. 380?—c.p. 959.

HAB. More elevated parts of the Central Province.

Culmi ad basin dense brunneo-tomentosi.

3. **P. Wallichiana**, N. ab Es. (Steud. l. c. p. 410.)—c.p. 950.

HAB. Not uncommon in the Central Province.

34. DIMERIA, R. Br.

1. **D. ornithopoda**, Trin. (Kth. Enum. i. p. 472.)—*D. gracilis*, N. ab Es.; Steud. Synops. Gram. p. 413.—c.p. 952, 3321.

Var. β ; *spiculis* paucioribus, majoribus.—c.p. 3256.

Var. γ ; *spiculis* pubescentibus.—*D. fuscescens*, Trin.; Steud. l. c.; Benth. Fl. Hongk. p. 419.—c.p. 956.

Var. δ ; *spiculis* muticis.—c.p. 955.

HAB. Not uncommon throughout the island. Var. β , at Newera Ellia, and Horton Plains, at an elevation of 6000 to 7000 feet.

Folia pilosa vel glabra.

An extremely variable plant, but all the forms enumerated above appear to me certainly to belong to one species.

2. **D. pilosissima**, Trin. (Steud. l. c.)—*Haplachne pilosissima*, Pr.; Kth. l. c. p. 473.—c.p. 24, 3261.

HAB. Southern and Central Provinces.

Differs, like the preceding, in the amount of pubescence, and in the size of the spikelets.

3. **D. pusilla**, Thw.; dense cæspitosa, *culmis* erectis, brevibus; *foliis* parvis, linearibus; *spica* simplici; *rachi* tenui, triangulari, glabra; *spiculis* aristatis, villosulis, basi attenuata dense albo-pilosa; *pedicello* brevi, glabro, uno latere ad apicem acute producto; *glumis* acutis, superiore ad apicem setacea.—c.p. 957.

HAB. Kokotodua, Gardner.

Culmi 4-8-pollicares. *Spica* pollicaris. *Spicula* $1\frac{1}{2}$ lin. longæ, arista circiter 5 lin. longa.

35. IMPERATA, Cyr.

1. **I. arundinacea**, Cyr. (Kth. Enum. i. p. 477, cum syn.)—c.p. 968.

HAB. Common in the hotter parts of the island. Nom. vulg. "Illook."

The leaves make an excellent thatch.

36. SACCHARUM, Linn.

1. **S. spontaneum**, Linn. (Kth. Enum. i. p. 475, cum syn.)—*S. Egyptiacum*, Willd.; Kth. l. c. *S. semidecumbens*, Roxb. Fl. Ind. i. p. 236. *S. caudiculatum*, Roxb. l. c. p. 246; Kth. l. c.—c.p. 3681.

HAB. Hotter parts of the island.

37. PEROTIS, Ait.

1. **P. latifolia**, Ait. (Kth. Enum. i. p. 470, cum syn.)—c.p. 3164.

HAB. Abundant in the hotter parts of the island.

38. **ZOYSIA**, Willd.

1. **Z. pungens**, Willd. (Kth. Enum. i. p. 471, cum syn.; Benth. Fl. Hongk. p. 418, cum syn.)—C.P. 948.

HAB. Common in sandy ground near the sea.

39. **SPOROBOLUS**, R. Br.

1. **S. Indicus**, R. Br. (Kth. Enum. i. p. 211; Benth. Fl. Hongk. p. 426.)—C.P. 65.

HAB. Very common.

2. **S. diander**, Beauv. (Kth. l. c. p. 213, cum syn.)—*Agrostis diandra*, Retz; Willd. Sp. Pl. Ind. i. p. 371; Roxb. Fl. Ind. i. p. 317.—C.P. 3771.

HAB. Very abundant.

40. **AGROSTIS**, Linn.

1. **A. Royleana**, Trin. (Steud. Synops. Gram. p. 173, cum syn.)—*Calamagrostis Hookeriana*, and *C. Roylei*, Steud. l. c. pp. 192, 193.—C.P. 2394.

HAB. Central Province, at an elevation of 6000 to 8000 feet.

41. **POLYPOGON**, Desf.

1. **P. Monspeliensis**, Desf. (Kth. Enum. i. p. 232, cum syn.)—C.P. 144.

HAB. Oova District, rare, and possibly introduced.

42. **ARISTIDA**, Linn.

1. **A. coerulescens**, Desf. (Kth. Enum. i. p. 190, cum syn.)—C.P. 915.

HAB. Common in the hot drier parts of the island.

2. **A. depressa**, Retz. (Kth. l. c.)—*A. vulgaris*, Trin. var. δ ; Steud. Synops. Gram. p. 138.—C.P. 3684.

HAB. Trincomalee, *Rev. S. O. Glenie*.

43. **PHRAGMITES**, Trin.

1. **P. Roxburghii**, Kth. (Steud. Synops. Gram. p. 196, cum syn.)—*P. Nepalensis*, N. ab Es.; Steud. l. c. *Arundo Karka*, Roxb. Fl. Ind. i. p. 347.—C.P. 176.

HAB. Not uncommon.

44. **AMPHIDONAX**, N. ab Es.

1. **A. Heynei**, N. ab Es. (Steud. Synops. Gram. p. 197.)—C.P. 645.

HAB. Central and Southern Provinces, up to an elevation of 4000 feet.

2. **A. obtusiflora**, Thw.; *culmis* elatis, glabris; *foliis* ensiformibus, acuminatis, glabris, ligula brevissima dense pilosa; *panicula* aperta, ramis capillaribus; *pedicellis* basi glanduloso-calloso; *spiculis* bifloris;

glumis ovatis, glabris, apiculatis, quam flores fere dimidio brevioribus; floribus sessilibus, æquilongis, hermaphroditis, obtusiusculis, basi pilis subæquilongis cinctis.—c.p. 3470.

HAB. Ratnapoora, at no great elevation.

Culmi 3-4-pedales vel ultra. *Folia* bipedalia, $\frac{3}{4}$ -1 poll. lata, firma. *Panicula* 6-8 poll. longa. *Spicula* 1 lin. longæ.

45. CYNODON, Pers.

1. *C. Dactylon*, Pers. (Kth. Enum. i. p. 259, cum syn.)—c.p. 312.

HAB. Common in the warmer parts of the island.

2. *C. Neesii*, Thw.—*C. virgatus*, N. ab Es.; Steud. Synops. Gram. p. 213 (hand Willd. Enum.)—c.p. 3749.

HAB. Trincomalee, *Rev. S. O. Glenie*.

3. *C. gracilis*, N. ab Es. (Steud. l. c.)—*Leptochloa uniflora*, Hochst. Steud. l. c. p. 209.—c.p. 2948.

HAB. Common in the hot drier parts of the island.

46. LEPTOCHLOA, Beauv.

1. *L. Chinensis*, N. ab Es. (Steud. Synops. Gram. p. 209; Benth. Fl. Hongk. p. 430, cum syn.)—*L. tenerrima*, R. and S.; Kth. Enum. i. p. 270.—c.p. 3748 (933 partim).

HAB. Atakalam Corle.

2. *L. filiformis*, R. and S. (Kth. l. c. p. 270, cum syn.)—c.p. 3245.

HAB. Colombo, *Mr. W. Ferguson*.

47. ELEUSINE, Gærtn.

1. *E. Indica*, Gærtn. (Kth. Enum. i. p. 272, cum syn.)—c.p. 937.

HAB. Very abundant.

E. Coracana, Gærtn. (nom. vulg. "Koorakkan"), is extensively cultivated by the Cinghalese as a food-grain.

48. DACTYLOCTENIUM, Willd.

1. *D. Ægyptiacum*, Willd. (Kth. Enum. i. p. 261, cum syn.)—c.p. 941.

HAB. Common in the warmer parts of the island.

49. CHLORIS, Linn.

1. *C. barbata*, Sw. (Kth. Enum. i. p. 264, cum syn.)—c.p. 954.

HAB. Common in the hotter parts of the island, especially near the sea.

2. *C. decora*, N. ab Es. (Steud. Synops. Gram. p. 205.)—*C. Meccana*, Hochst.; Steud. l. c.—c.p. 958.

HAB. Hot drier parts of the island.

3. *C. digitata*, Steud. l. c. p. 207.—*Melica digitata*, Roxb. Fl. Ind. i. p. 326. *Gymnopogon digitatus*, N. ab Es. mss.—c.p. 939.

HAB. Hot drier parts of the island.

50. GYMNOPOGON, Beauv.

1. *G. rigidus*, Thw.; *culmis* erectis, glabris; *foliis* linearibus, acuminatis, glabris, lateribus inæquilatis, ligula brevi ciliata; *panicula* elongata, scabra; *spiculis* majusculis, brevi-pedicellatis, parum distantibus; *glumis* acutis, trinerviis; *inferiore* parum brevior, *superiore* aliquando aristata; *floribus* longe aristatis, *hermaphrodito* cylindrico glumis duplo longiore, *sterili* minutissimo—C.P. 914.

HAB. Hot drier parts of the island.

Culmi 2-3-pedales. *Folia* pedalia, 2-3 lin. lata. *Flos hermaphroditus* semipollicaris, arista æquilonga vel ultra.

51. AVENA, Linn.

1. *A. aspera*, Munro, mss.—C.P. 916.

HAB. Newera Ellia and other of the more elevated parts of the island.

Culmus erectus, 2-3-pedalis, nodis pilosulis. *Folia* longiuscule pilosula vel glabra, ligula truncata lacerato-ciliata. *Panicula* parce ramosa, aperta. *Spiculæ* 4-floræ, 6 lin. longæ, floribus parum distantibus. *Gluma inferior* 3-nervia, 2 lin. longa, apice brevi-actacea, *superior* 3½ lin. longa, acuta, 5-nervia. *Palea inferior* scabriuscula, 4 lin. longa, dimidio inferiore 9-nervia, a medio longe aristata fissaque, laciniis 3-nerviis acutis. *Palea superior* brevior, dorso ad carinas ciliata.

52. MEGALACHNE, Steud.

1. *M. Zeylanica*, Thw.; *culmis* gracilibus, erectis, glabris, rigidis, basi ramosis; *foliis* glabris, angustis, rigidis, superne prominentim trinerviis, marginum involutione cylindricis, basi tomentellis, ligula brevissima ciliata; *panicula* pauciflora; *spiculis* bifloris, rudimento nullo, flore superiore subsessili; *glumis* glabris, lanceolatis, apice brevistaristatis; *palea inferiore* pilosa, longe aristata, *superiore* laciniis æqualiter longe aristatis.—C.P. 3247.

HAB. Cinnamon Gardens, Colombo.

Culmi 1½-2-pedales. *Panicula* 2-4 poll. longa, purpurascens. *Glumæ* 4 lin. longæ. *Paleæ* 3 lin. longæ, aristis 4-5 lin. longis. *Squamulæ* oblongæ, truncatæ, emarginatæ, ovario brevistipitato æquilongæ. *Stamina* 2. *Stylus* fere ad basin bifidus, stigmatibus plumosis.

53. URALEPIS, Nutt.

1. *U. fusca*, Steud. Synops. Gram. p. 247.—*Tridens Indicus*, N. ab Es. mss.—C.P. 934.

HAB. Elephant Pass, Gardner.

Folia, cum rachi, scabriuscula.

54. POA, Linn.

1. *P. annua*, Linn. (Kth. Enum. i. p. 349, cum syn.)—C.P. 2393.

HAB. Common on roadsides in the neighbourhood of Newera Ellia, possibly introduced.

55. ERAGROSTIS, Beauv.

1. *E. bifaria*, W. and A. (Steud. Synops. Gram. p. 264.)—*E. secunda*, N. ab Es.; Steud. l. c. *Poa bifaria*, Vahl; Kth. Enum. i. p. 327.—C.P. 60.

HAB. Not uncommon up to an elevation of 5000 feet.

2. *E. unioloides*, R. and S. (Steud. l. c.; Benth. Flor. Hongk. p. 432.)—*E. amabilis*, W. and A. *Poa unioloides*, Retz; Kth. l. c. p. 335, cum syn.—C.P. 930.

HAB. Common in the warmer parts of the island.

3. *E. Brownei*, N. ab Es. (Steud. l. c. p. 279; Benth. Flor. Hongk. p. 432, cum syn.)—*Poa polymorpha*, R. Br. *P. Brownei*, Kth. l. c. p. 333.—C.P. 931.

HAB. Very abundant throughout the island.

4. *E. Zeylanica*, N. ab Es. (Steud. l. c. p. 265; Benth. l. c. p. 433.)—C.P. 9251. An præcedentis varietas?

HAB. Hotter parts of the island.

5. *E. orientalis*, Trin. (Steud. l. c. p. 267; Benth. l. c.)—C.P. 925. An *E. Brownei*, N. ab Es., varietas?

HAB. Central Province, not uncommon.

6. *E. pilosa*, Beauv. (Steud. l. c. p. 263; Benth. l. c. cum syn.)—C.P. *P. pilosa*, Linn., et *P. verticillata*, Cav.; Kth. l. c. p. 329. *P. Ægyptiaca*, Willd.; Kth. l. c. p. 336. *P. elegantula*, Kth. l. c. p. 346.—C.P. 929.

HAB. Very abundant.

7. *E. megastachya*, Link.—*Poa megastachya*, Kœl.; Kth. l. c. p. 333, cum syn.—C.P. 3163.

HAB. Hot drier parts of the island.

8. *E. paniculata*, Steud. l. c. p. 266.—*E. nigra*, N. ab Es.; Steud. l. c. p. 267. *Poa paniculata*, Roxb. Fl. Ind. i. p. 340.—C.P. 2626.

HAB. Doonbeera and Maturatte Districts.

Flosculi scabrusculi.

9. *E. nutans*, Steud. l. c. p. 264, cum syn.—*Poa nutans*, Retz; Roxb. l. c. p. 335. *P. Kœnigii*, Kth. l. c. p. 346. *P. interrupta*, Kœn.; Roxb. l. c.—C.P. 3259 (933 partim).

HAB. Hot, drier parts of the island.

10. *E. plumosa*, Link; Benth. l. c. p. 431.—*Poa plumosa*, Retz; Kth. l. c. p. 328, cum syn. *P. viscosa*, Kth. l. c. p. 336. An *P. ciliaris*, Linn. ?—C.P. 70, 926, 927 (928).

HAB. Very common in the warmer parts of the island, and an extremely variable plant.

56. CEELACHNE, R. Br.

1. *C. pulchella*, R. Br. (Steud. Synops. Gram. p. 284; Benth. Fl. Hongk. p. 430.)—*Isachne simpliciuscula*, W. A.; Steud. l. c. p. 96.—C.P. 884.

HAB. Common in marshy places in the Central Province.

2. *C. perpusilla*, Thw.—*Isachne perpusilla*, Arn.; Steud. l. c.—C.P. 130 (450).

HAB. Central Province, in bogs, at an elevation of 5000 to 7000 feet.

Dense et late caespitosa, culmis ramosis, 2-18 poll. longis. Folia $\frac{1}{2}$ -1 poll. longa, $\frac{1}{2}$ -1 lin. lata, vagina subæqualonga. Panicula sesquipollicaris, aperta, ramis alternis. Spicula 1 lin. longæ, flore superiore pedicellato.

57. *ÆLUROPUS*, Trin.

1. *Æ. lagopodioides*, Trin.—*Dactylis lagopodioides*, Linn.; Willd. Sp. Pl. i. p. 410; Burm. Ind. t. 12, fig. 2.—c p. 876.

HAB. Not uncommon on sandy ground near the sea.

This must surely, I think, be the species figured by Burmann, as quoted above.

Dactylis glomerata, Linn., occurs at Newera Elia, but has no doubt been introduced.

58. *LOPHATHERUM*, Brongn.

1. *L. gracile*, Brongn. (Kth. Enum. i. p. 391; Benth. Fl. Hongk. p. 433, cum syn.)—*L. Lehmanni*, N. ab Es.; Steud. Synops. Gram. p. 300.—c.p. 920, 921.

HAB. Not very uncommon up to an elevation of 4000 feet

59. *ELYTROPHORUS*, Beauv.

1. *E. articulatus*, Beauv. (Kth. Enum. i. p. 391, cum syn.)—c.p. 935.

HAB. Warmer parts of the island.

60. *TRIPOGON*, Roth.

1. *T. Zeylanicus*, N. ab Es.; Steud. Synops. Gram. p. 301.—c.p. 281.

HAB. More elevated parts of the Central Province.

Cæspitosus, glaucus, culmis gracilibus, 1-1 $\frac{1}{2}$ ped longis, nodis glabris. Folia 4-8 poll. longa, rigidiuscula, pilosa, marginibus involutis. Spica 2-4 poll longa. Gluma superior 2 lin. longa. Flosculi (setis except) singuli 1 $\frac{1}{2}$ lin. longi.

61. *CENTOTHECA*, Desv.

1. *C. lappacea*, Desv.; Kth. Enum i. p. 366, cum syn.—c.p. 923.

HAB. Common at the margins of woods in the warmer parts of the island.

62. *BRACHYPODIUM*, Beauv.

1. *B. sylvaticum*, R. and S. Syst. 2, p. 741.—*B. Nepalense*, N. ab Es.; Steud. Synops. Gram. p. 316 (sub *Festuca*).—c.p. 3253.

HAB. More elevated parts of the island, common.

63. *STREPTOGYNE*, Beauv.

1. *S. crinita*, Beauv.; Kth. Enum. i. p. 427.—c.p. 922.

HAB. Matele district, Gardner.

64. ARUNDINARIA, Rich.

1. *A. debilis*, Thw. ; *culmis* valde elongatis, glabris vel cum vaginis, plus minus hispidis ; *foliis* parvis, glaucis, lanceolatis, apice acutissimis, glabris vel superne pilosis, basi acutatis vel subtruncatis ; *paniculis* simplicibus, ramos patulifloros breviusculos semiverticellatis terminantibus ; *spiculis* 3-floris, floribus 2, inferioribus hermaphroditis ; *glumis* subacutis, mucronatis, 6-7-nerviis, pilosulis, inferiore parum brevior ; *palea* inferiore quam superior fere duplo longiore, gluma superiore subæquilonga.—C.P. 1.

HAB. More elevated parts of the Central Province.

Culmi 2-5 lin. in diam. *Stamina* 3.

The foliage of this plant is used at Newera Ellia as a fodder for horses.

2. *A. floribunda*, Thw. ; *foliis* lanceolatis, acuminatissimis, nervosis, transversim venulosis, basi plus minus acutis, vagina ad apicem longe ciliatis ; *paniculis* majusculis ; *spiculis* laxis, 6-8-floris ; *glumis* parvis, acutis, glabris, inferiore minore ; *palea* inferiore pilosula, subulato-acuminata, superiore subæquilonga, quam gluma superior duplo longiore.—C.P. 2624.

HAB. Maturatte District, at an elevation of 5000 feet.

Culmi erecti, 2-5-pedales. *Spicula* pollicares vel ultra. *Flores* 3½ lin. longi. *Stamina* 3.

65. BAMBUSA, Schreb.

1. *B. Thouarsii*, Kth. Enum. i. p. 431 ; Steud. Synops. Gram. p. 329.—An *B. vulgaris*, Schrad. ; Steud. l. c. ? *B. arundinacea*, Moon's Cat. p. 26. Et var. *B. picta* ; *culmis* majoribus elatioribusque, stramineo et viridi variegatis.—C.P. 3252.

HAB. Southern and central parts of the island, up to an elevation of 2000 feet. Nom. vulg. "Oona-gass."

Much used by the Cinghalese for temporary buildings and other purposes. The flowers, which are very rarely produced, very much resemble those of the next species ; but their outer paleæ are somewhat longer, and terminate in subulate points.

2. *B. arundinacea*, Willd. (Kth. l. c. cum syn. ; Roxb. Pl. Cor. i. t. 79).—*B. orientalis*, N. ab Es. ; Steud. l. c. *B. spinosa*, Roxb. ; Kth. l. c.—C.P. 3320.

HAB. Common on the margins of rivers and streams in the warmer parts of the island. Nom. vulg. "Kattoo-oon-gass."

The seeds are eaten by the Cinghalese.

3. *B. attenuata*, Thw. ; *culmis* mediocribus, inermibus ; *vaginis* sparsim pallide adpresso-pilosis ; *foliis* glabris, lineari-lanceolatis, subabrupte acuminatis, basi rotundatis, petiolatis ; *ramis* florigeris fasciculatis, breviusculis, foliatis ; *panícula* simplici, spiciformi ; *spiculis* glabris, subsessilibus, in fasciculos parvos congestis, angustis, attenuato-cylindricis, 5-floris, floribus 2 apicalibus plerumque sterilibus ; *pedicellis* inclusis, quam flores dimidio brevioribus ; *paleis* inferioribus 12-nerviis, acutis, mucronatis.—C.P. 3255.

HAB. Central Province, at an elevation of 4000 to 6000 feet.

Culmi 12-25-pedales, ½-1 poll. in diam. *Folia* 3-6 poll. longa, 4-9 lin. lata, arcte ramoso-striata. *Spicula* pollicares. *Paleæ* inferiores superioribus parum

longiores. *Stylus* elongatulus, infra medium incrassatus. *Stigmata* 3, plumosa, stylo multo breviora.

66. DENDROCALAMUS, N. ab Es.

1. *D. monadelphus*, Thw.; *foliis* lanceolatis, acuminatis, parum obliquis; *palea inferiore* apice subulato-acuta, quam superior parum longiore; *staminibus* 6, filamentis in tubum coalitis; *antheris* linearibus, angustis, subulato-apiculatis, apiculo piloso.—C.P. 3359.

HAB. Common in the Central Province, at an elevation of 4000 to 6000 feet.

Culmi inermes, teretes, fistulosi, 10-12-pedales, circiter 1 poll. in diam, ramosi, *vaginis* fugaci-albido-pilosis apice longe caduco-ciliatis. *Folia* 2-12 poll longa, $\frac{1}{2}$ -1 $\frac{1}{2}$ poll. lata, plurinervia, interstitiis arctissime longitudinahter venulosis. *Spiculæ* acutæ, 4-6 lin. longæ, sæpius 3-floræ, densissime glomeratæ. *Palea superior*, ciliata.

Gen. nov. 67. OCHLANDRA, Thw.

Flores bipaleacei. *Squamulæ* 6-9 (vel forsàn plura) lanceolata, 1-3-nervia. *Stamina* numerosa (7-30). *Filamenta* libera, inter se æqualia. *Antheræ* lineares, utrinque brevissime bifidæ, apice mucronulatæ. *Stylus* simplex, longiusculus, robustus, subprismaticus. *Stigmata* 4-5, brevissima, plumosa. *Caryopsis* majuscula, ovoidea, stylo persistente indurato acuminata, paleis squamisque spiculæ tecta.—*Frutex*, culmis suberectis, confertis; *foliis* majusculis; *inflorescentia terminali*, laxè spicata; *spiculis in glomerulis parvis aggregatis*, 1-floris; *flore terminali*.

1. *O. stridula*, Thw.—*Bambusa stridula*, Moon's Cat. p. 26.—C.P. 241 (429?).

HAB. Common in the warm, moister parts of the island, and very abundant in the Saffragam District. Nom. vulg. "Batta-gass."

The leaves make an excellent thatch.

68. TRITICUM, Linn.

1. *T. repens*, Linn.; Kth. Enum. i. p. 440, cum syn.—C.P. 924.

HAB. North of the island, Gardner.

CLXVIII. LYCOPODIACEÆ.

1. LYCOPODIUM, Linn.

1. *L. Phlegmaria*, Linn. (Willd. Sp. Pl. v. p. 10.)—*L. mirabile*, Willd. l. c.—c.p. 987 (1195, 1277).

HAB. Common in the Central Province.

2. *L. Hookeri*, Wall. Cat. n. 146; Hook. et Grev. Ic. Fil. t. 185.—c.p. 986 (1193, 1194).—*Forma foliis latoribus*.—c.p. 3281.

HAB. Central Province, not uncommon.

Very variable in the form of its leaves, but the size and shape of the sporangia very constant. Spring refers this to *L. ulcifolium*, Vent.

3. *L. serratum*, Thunb. Fl. Jap. p. 341, t. 38; Willd. l. c. p. 21; Hook. et Grev. Ic. Fil. t. 37.—c.p. 1419 (1189).

Forma foliis minoribus, magis confertis, firmioribus, inconspicue serratis.—c.p. 1115 (1488, 1273).

HAB. More elevated parts of the Central Province.

Equally variable with the preceding.

4. *L. clavatum*, Linn. (Willd. l. c. p. 13)—c.p. 3283 (1192, 1279).

HAB. Horton Plains, at an elevation of 7000 feet.

5. *L. complanatum*, Linn. (Willd. l. c. p. 14)—c.p. 3489.

HAB. Horton Plains, with the preceding species.

6. *L. cernuum*, Linn. (Willd. l. c. p. 15.)—c.p. 984 (1187).

HAB. Very common in the Central Province.

7. *L. Carolinianum*, Linn. (Willd. l. c. p. 13.)—c.p. 1416 (1191, 1278).

HAB. Pedro talagalla, at an elevation of 7000 feet

2. SELAGINELLA, Spring.

1. *S. rupestris*, Spring, Mon. Lycop. part ii. p. 55.—c.p. 1414.

HAB. Damboul, Gardner.

2. *S. stolonifera*, Spring, l. c. p. 209.—*Lycop. stoloniferum*, Sw.—c.p. 1412 (1185).

HAB. Common in the Central Province.

3. *S. caudata*, Spring, l. c. p. 139.—*Lycop. caudatum*, Desv.; Benth. Fl. Hongk. p. 437.—c.p. 3284 (1276).

HAB. Forests of the Central and Southern Provinces.

4. *S. caulescens*, Spring, l. c. p. 158.—c.p. 985 (1186).

HAB. Central Province, Gardner.

5. *S. atroviridis*, Spring, l. c. p. 124.—*S. monospora*, Spring, l. c. p. 135. *Lycop. atroviride*, Wall.; Hook. Gen. Fil. t. 117, B; Benth. l. c.—c.p. 1417, 1418 (1184, 1274).

HAB. Very abundant.

6. *S. concinna*, Spring, l. c. p. 199.—*Lycop. concinnum*, Sw.—c.p. 3280.

HAB. Raxawa, in the Central Province; and near Galle.

In my specimens the inner leaves scarcely differ in shape from the outer entire distichous ones.

3. **PSILOTUM**, Sw.

1. **P. triquetrum**, Sw. (Hook. Gen. Fil. t. 87.)—c.p. 1426 (1272).
HAB. Not uncommon in the Central Province.

CLXIX. **MARSILEACEÆ**1. **MARSILEA**, Linn.

1. **M. quadrifolia**, Linn (Willd Sp. Pl. v. p. 538)—c.p. 3051.
HAB. South of the island.

- 2 **M. crosa**, Willd l c p 540—c p 1422
Hab. Hotter parts of the island, north of Kandy.

2. **AZOLLA**, Lam

1. **A. pinnata**, R. Br. Prodr. p. 167, Moore, Ind. Fil. p. 190, cum syn—c.p. 1421.

HAB. Common in the warmer parts of the island.

CLXX. **FILICES**1. **BOTRYCHIUM**, Sw.

1. **B. daucifolium**, Wall. (Hook Bot. Mag 3rd ser. xviii. t. 5340)
—c p 1410 (1271)

HAB. Forests of the Central Province, up to an elevation of 4000 feet.

2. **B. Virginicum**, Willd—Var β *Indicum*, Hook Gard. Ferns, t. 29 Var. β *lanuginosum*, Moore, Ind. Fil. p. 313, cum syn Var. β . Wall Cat n 48—c p 3266 (1181)

HAB Newera Ellia, on the turf under the shade of trees

In general appearance very like the preceding species, but at once distinguished from it by the fertile branch of the rachis arising from the middle of the leafy portion of the frond, whilst in the preceding it originates below it

2. **HELMINTHOSTACHYS**, Kaulf.

1. **H. Zeylanica**, Hook. Gen. Fil. t. 47, B, cum syn ; Gard. Ferns, t. 28—*Botrychium Zeylanicum*, Sw Syn Fil p 172—c p. 1411.

HAB South of the island, on the borders of paddy fields, etc, not uncommon.

3. **OPHIOGLOSSUM**, Linn.

1. **O. pendulum**, Linn. (Willd Sp. Pl. v. p. 60; Sw. Syn. Fil. p. 170; Hook. Gard. Ferns, t. 53)—c.p. 1409 (1180).

HAB. Common upon the trunks of trees in the Central Province.

2. **O. vulgatum**, Linn. (Willd. l. c. p. 58.)—*O. ovatum*, Willd. l. c.—c.p. 1408.

HAB. More elevated parts of the Central Province.

4. ANGIOPTERIS, Hoffm.

1. *A. erecta*, Hoffm. (Hook. Fil. Exot. t. 75, cum syn.; Benth. Fl. Hongk. p. 440.)—C.P. 1407 (967, 1177).

HAB. Common up to an elevation of 5000 feet.

5. MARATTIA, Sw.

1. *M. sorbifolia*, Sw. Syn. Fil. p. 168; Willd. Sp. Pl. v. p. 67.—C.P. 3147.

HAB. More elevated parts of the Central Province.

6. OSMUNDA, Linn.

1. *O. Javanica*, Blume, En. Fil. Jav. p. 252; Hook. Kew Journ. of Bot. ix. p. 360; Kze. in Schk. Fil. Suppl. t. 111; Benth. Fl. Hongk. p. 441, cum syn.—*O. Zeylanica*, Kze. in Schk. Fil. Suppl. t. 122 (not Linn.).—C.P. 2988 (961, 1178).

HAB. Common in the higher parts of the Central Province.

7. LYGODIUM, Sw.

1. *L. circinatum*, Sw. Syn. Fil. p. 153; Benth. Fl. Hongk. p. 441, cum syn.—*L. dichotomum*, Sw. l. c. p. 154. *Hydroglossum*, Willd.—C.P. 1406 (1269).

HAB. Not uncommon in the Central Province.

2. *L. scandens*, Sw. (Presl; Benth. l. c. cum syn.)—C.P. 1404 (1183, 1270).

HAB. Very common in the warmer parts of the island.

3. *L. Japonicum*, Sw. (Presl; Benth. l. c. p. 442.)—C.P. 1405 (1268).

HAB. Common in the Central Province.

8. SCHIZÆA, Sm.

1. *S. digitata*, Sw. (Willd. Sp. Pl. v. p. 86, cum syn.; Hook. Gard. Ferns, t. 49.)—*Actinostachys*, Wall.—C.P. 3105 (969, 1182).

HAB. Kittool Galle, and near Peradenia.

9. GLEICHENIA, Sw.

1. *G. dichotoma*, Willd. (Hook. Sp. Fil. i. p. 12.)—C.P. 3106 (970, 1053).

HAB. Extremely common throughout the island.

10. CERATOPTERIS, Brongn.

1. *C. thalictroides*, Brongn. (Hook. Sp. Fil. ii. p. 235; Gen. Fil. t. 12.)—C.P. 980 (1171).

HAB. Not uncommon on the borders of streams and of paddy fields.

11. **ACROSTICHUM**, Linn.a. *Euacrostichum*.

1. **A. aureum**, Linn. (Moore, Ind. Fil. p. 5, cum syn.; Hook. Gen. Fil. t. 81; Sp. Fil. v. ined.—c.p. 1315 (1152)).

HAB. Common in wet places in the hotter parts of the island.

b. *Elaphoglossum*.

2. **A. laurifolium**, Thouars.—*Elaphoglossum laurifolium*, Moore, l. c. p. 359, cum syn.—c.p. 1310 (1165).

HAB. Common in forests of the Central Province.

[Probably a variety of *A. conforme*, Sw.—Hook.]

3. **A. marginatum**, Wall. Cat. n. 17.—*A. conforme*, Bl. Fil. Jav. t. 5, and Hook. Sp. Fil. v. ined. *Elaphog. marginatum*, Moore, l. c. p. 361, cum syn.—c.p. 1311.

HAB. Central Province; particular locality not recorded.

Distinguished from the preceding by the much broader palea of the rhizome.

4. **A. squamosum**, Sw (Hook. l. c. v. ined.)—*Elaphog. squamosum*, J. Sm.; Moore, l. c. p. 367, cum syn. *A. paleaceum*, Hook. et Grev. Ic. Fil. t. 235 —c.p. 3292 (1164 partim).

HAB. Central Province, not very common.

5. **A. spathulatum**, Sw (Bory, Itin. i. p. 363, t. 20, f. 1; Hook. l. c. v. ined.)—*Elaphog. piloselloides*, δ , *spathulatum*, Moore, l. c. p. 363, cum syn.—c.p. 989 (1164. partim).

HAB. Newera Ellia, Gardner.

Mem.—I know nothing of *A. Landeni*, Bory, and *A. Neitneri*, Kl. (*Elaphoglossum*, Moore, l. c. pp. 360, 362), said to occur in the island.

c. *Stenochlæna*

6. **A. scandens**, Willd., not. ad *Lomaria scandens*, Sp. Pl. v. p. 294; Hook. l. c. v. ined.—*Stenochlæna scandens*, J. Sm. in Hook. Journ. of Bot. iii. (1841) p. 401.—c.p. 1312.

HAB. Common in the warmer parts of the island.

d. *Pæcilopteris*.

7. **A. repandum**, Blume, En. Pl. Jav. p. 104; Benth. Fl. Hongk. p. 444, cum syn.; Hook. l. c. v. ined.—*A. contaminans*, Wall. Cat.—c.p. 3075 (1161, 1232).

HAB. Forests of the Central Province, common.

8. **A. Hookerianum**.—*A. (Campium) proliferum*, Hook. Ic. Pl. vii. t. 681-2. *A. virens*, Wall. Cat. n. 1033; Hook. Ic. Pl. t. 681 and 682. Sp. Fil. v. ined. *Pæcilopteris Hookeriana*, Moore, Genera of Ferns, p. 20.—c.p. 1313.

HAB. Not uncommon in the forests of the Central Province.

Polybotrya

9. **A. appendiculatum**, Willd. l. c. p. 114; Hook. l. c. v. ined.—*A. ses-tosum*, Wall. Cat. n. 30. *Polybotrya appendiculata*, J. Sm.—c.p. 1314 (1160, 1234).

HAB. Very common.

f. Gymnopteris.

10. *A. decurrens*, Hook. Fil. Exot. t. 94; Hook. Sp. Fil. l. c. v. ined.; Benth. l. c. p. 443.

Forma fronde simplice.—C.P. 1316, 1317 (1157, 1135).

Forma fronde pinnatifida.—C.P. 1318.

HAB. Very abundant in damp forests.

11. *A. quercifolium*, Retz. (Willd. l. c. p. 112, cum syn.; Hook. l. c. v. ined.)—*Gymnopteris quercifolia*, Benth.; Hook. Ic. Pl. x. t. 905, cum syn.—C.P. 1319 (1170).

HAB. Shady banks in the warmer parts of the island.

g. Hymenolepis.

12. *A. spicatum*, Linn. f (Hook. l. c. v. ined.)—*Hymenolepis spicata*, Presl. *H. ophioglossoides*, Kaulf. *Lomaria spicata*, Willd. l. c. p. 289.—C.P. 1303 (1135).

HAB. Forests of the Central Province, not uncommon.

12. DRYMOGLOSSUM, Presl.

1. *D. piloselloides*, Presl, Tent. 227, t. 10, ff. 5, 6; Hook. l. c. v. ined.; Moore, Ind. Fil. p. 343, cum syn.—C.P. 3076 (1156).

HAB. Common on the trunks of trees.

13. VITTARIA, Sm.

1. *V. scolopendrina*, Schk — *Vittaria Zeylanica*, Fée, and Hook. Sp. Fil. v. ined. *Teniospis scolopendrina*, J. Sm. in Hook. Journ. of Bot. iv. (1842) p. 67. *Pteris scolopendrina*, Sw.; Bory; Willd. Sp. Pl. v. p. 356.—C.P. 1304 (1231).

HAB. Forests of the Central Province.

2. *V. lineata*, Sw. (Willd. l. c. p. 404; Hook. l. c. v. ined.)—*Teniospis lineata*, J. Sm. l. c.—C.P. 281 (1136).

HAB. Common in the Central Province.

14. LOMARIA, Willd.

1. *L. elongata*, Blume (Hook. Sp. Fil. iii. p. 3, cum syn.)—C.P. 1333 (1158).

HAB. More elevated parts of the Central Province.

15. BLECHNUM, Linn.

1. *B. orientale*, Linn. (Hook. Sp. Fil. iii. p. 52, cum syn.)—C.P. 977 (1085).

HAB. Very common on moist banks.

16. VAGINULARIA, Fée.

1. *V. Junghuhnii*, Mett.—*Monogramme*, Hook. Sp. Fil. v. p. 123, t. 288, B.—C.P. 1281.

HAB. Central Province, at an elevation of 3000 to 5000 feet, not very common.

17. DOODIA, R. Br.

1. *D. dives*, Kze.—Var. *β. Zeylanica*, Hook. Sp. Fil. iii. p. 73.—c.p. 976 (1086).

HAB. Woods of the Central Province.

18. MENISCIUM, Schreb.

1. *M. triphyllum*, Sw. Syn. Fil. pp. 19 and 206; Willd. Sp. Pl. v. 183; Hook. et Grev. Ic. Fil. t. 120, Hook. Sp. Fil. v. med.—c.p. 1193.

HAB. Not uncommon in the Central and Southern Provinces.

2. *M. Thwaitesii*, Hook. Fil. Exot., not. ad t. 83.—c.p. 3145.

HAB. Oodoo pussalawa, in the Central Province, at an elevation of 4000 feet. [Traces of an involucre have been seen on the sort of this plant, which induce Sir Wm. Hooker to think it ought to be removed to the *Asplenium*-group. It will be further noticed in the Suppl. to 'Species Filicum']

19. HEMIONITIS, Linn.

1. *H. cordata*, Roxb (Hook. Sp. Fil. v. med.; Moore.)—c.p. 1309 (1169)

HAB. Common in the warmer parts of the island

2. *H. reticulata*, Forst.—*Antrophyum reticulatum*, Kaulf.; Hook. l. c. v. med., Spreng. Syst. iv. p. 67 (c.p. 1305 (1229))

HAB. Very common in the upper forests of the Central Province.

3. *H. plantaginea*, Cav.—*Antrophyum plantaginaceum*, Spreng. l. c.; Hook. l. c. v. med. c.p. 3290.

HAB. Central Province.

20. GRAMMITIS, Sw.

a. *Loxogramme*

1. *G. involuta*, Don, Prod. Fl. Nep. p. 14; Hook. et Grev. Ic. Fil. t. 53.—*Gymnogramme*, Hook. Sp. Fil. v. p. 155. *Loxogramme involuta*, Pr.; Moore.—c.p. 1302 (1155)

HAB. Common upon the trunks of trees in the Central Province.

2. *G. lanceolata*, Sw. Syn. Fil. pp. 22 and 212, t. 1, f. 4, Willd. Sp. Pl. v. p. 139.—*Gymnogramme*, Hook. l. c. v. p. 156. *Loxogramme lanceolata*, Pr.; Moore.—c.p. 3146.

HAB. Pedro talagalla, at an elevation of 7000 feet.

b. *Leptogramme*.

3. *G. totta*, Pr.; Moore.—*Polypodium tottum*, Willd. l. c. p. 201. *Gymnogramme totta*, Schlecht.; Hook. l. c. v. p. 138. *G. Lowii*, Hook. et Grev. Ic. Fil. t. 89.—c.p. 1292.

HAB. Common in the more elevated parts of the Central Province.

c. *Gymnogramme*.

4. *G. serrulata*, Blume, En. p. 112; Fl. Jav. t. 43.—*Gymnogramme Javanica*, Blume, En. p. 112; Fl. Jav. t. 41; Hook. l. c. p. 146. 4.

falcata, J. Sm. *Diplazium falcatum* and *D. fraxineum*, Don, l. c. pp. 12, 13. *Grammitis caudata*, Wall. Cat. n. 4.—c.p. 3264 (1226).

HAB. Horton Plains and Maturatte District, at an elevation of 5000 to 4000 feet.

d *Stegogramme*

[5. *G. aspidioides*, Hook Gen Fil t 120, B, and Ic. Pl. x. t. 950; Hook Sp. Fil v. p. 180, Gardner, n 1292.—I insert this on the authority of specimens in my herbarium from Mr Gardner, the same number as Mr Thwaites (*supra*) refers to *G. (Leptogramme) totta*. I possess both species from Ceylon—Hook]

21 ASPLENIUM, Linn.

a *Thamnopteris*

1. *A. nidus*, Linn (Hook Sp. Fil iii p 77, cum syn)—c p 3267.

HAB. Very common

b *Euasplenium*

2. *A. ensiforme*, Wall (Hook et Grev Ic. Fil t 71, Hook Sp. Fil l. c p 80)—c p 1334

HAB. Rambodde, in the Central Province, Gardner

3. *A. Wightianum*, Wall (Hook l c p 105, t 167, cum syn)—*A. Walkerae*, Hook l c p 108, t 163. An *A. longipes*, Fée, Hook l v. p. 106?—c p 1010 (1070)

HAB. Common in the forests of the Central Province

The two forms of *A. Wightianum* and *A. Walkerae* merge insensibly into one another

4. *A. persicifolium*, J Sm

Var *latifolium*, Hook, l c p 109—c p 3461

HAB. Newera Ellia, and other more elevated parts of the Central Province

5. *A. elongatum*, Sw Syn Fil p 79, Hook l c p 117—c p 1007 (1078)

HAB. Not uncommon in the Central Province

6. *A. tenerum*, Forst., Hook l c p?—c p 1371

HAB. Hantani, in the Central Province

Caudex brevis. Frondes (cum stipite) 6-15 poll longæ, subtus paleis parvis adpressis suavis conspersæ. Pinnae plus minus acuminatæ. Indusium demum marginæ arcuè revolutum—[This Fern, Ceyl Pl n 1371, is identical with my n 1072 of Gardner which in my Sp. Fil iii p 158, I have considered a small form of the very variable *A. macrophyllum*, Sw. Mr Thwaites (see next page, n 13) refers Gardner's plant to it—Hook]

7. *A. erectum*, Bory (Hook l c p 126, cum syn)—c p. 3141 (1074).

HAB. Central Province, not uncommon

8. *A. roseetum*, Sm (Hook l c p 130, cum syn)—c p. 427, 1336, 1337, 1338, 3269 (1075, 1077)

HAB. Very abundant in the forests of the Central Province.

An extremely variable species.

9. *A. heterocarpum*, Wall. (Hook. l c. p. 132, t. 175.)—c.p. 1006 (1076).

HAB. Not uncommon in moist woods.

10. *A. normale*, Don, Prod. Fl. Nep. p. 7; Moore, Ind. Fil. p. 148, cum syn.—*A. multijugum*, Wall.; Hook. l. c. p. 189, t. 188, cum syn.—c.p. 1005 (1073).

HAB. Damp forests, common.

11. *A. formosum*, Willd. (Hook. l. c. p. 143, cum syn.; Moore, l. c. p. 132, cum syn.)—c.p. 3487.

HAB. Forests above Galagama, towards Horton Plains.

12. *A. caudatum*, Forst. (Hook. l. c. p. 152, cum syn.)—c.p. 1339 (1081).

HAB. Newera Ellia, Gardner.

13. *A. macrophyllum*, Sw. (Hook. l. c. p. 158, tt. 196, 197, cum syn.)—c.p. 1340 (1072).

HAB. Newera Ellia and other more elevated parts of the Central Province.

Is this really distinct from *A. caudatum*, or merely that species in a less advanced stage of growth?

14. *A. falcatum*, Lam. (Hook. l. c. p. 160, cum syn.)—c.p. 3140 (1080).

HAB. Common.

15. *A. planicaule*, Wall. (Hook. l. c. p. 163, cum syn.; Moore, l. c. p. 154, cum syn.)—c.p. 3289.

HAB. Not uncommon in forests of the Central Province.

16. *A. furcatum*, Thunb. (Hook. l. c. p. 165, cum syn.)—c.p. 3497.

HAB. More elevated parts of the Central Province.

17. *A. spathulinum*, J. Sm. (Hook. l. c. p. 170, cum syn.)—c.p. 2905, 1341 (1082).

HAB. Central Province, in the higher forests.

18. *A. nitidum*, Sw. (Hook. l. c. p. 172.)—c.p. 1008 (1083, 1084).

Forma magis composita. An *A. laserpitifolium*, Lam., Hook. Sp. Fil. iii. p. 172, t. 203?—c.p. 3801.

HAB. Common in the forests of the Central Province.

19. *A. tenuifolium*, Don. (Hook. l. c. p. 193, cum syn.)—c.p. 3268 (1079).

HAB. Newera Ellia, by the sides of streams.

20. *A. prolongatum*, Hook. l. c. p. 209; 2nd Century of Ferns, t. 43.—*A. ratatulum*, Pr., var. *β. furcata*, Moore, l. c. p. 163.—c.p. 1348.

HAB. Pas-doou Corle, Gardner. Singhe-rajah forest.

21. *A. varians*, Hook. et Grev. (Hook. l. c. p. 192, cum syn.; Moore, l. c. p. 176.)—c.p. 3139.

HAB. Oova District, not common.

c. *Athyrium*.

22. *A. nigripes*, Mett. (Hook. l. c. p. 222, cum syn.)—*Athyrium tenuifrons*, var. *γ. straminea*, Moore, l. c. p. 188.—c.p. 3067.

HAB. Forests of the Central Province, at an elevation of 4000 to 6000 feet.

23. *A. macrocarpum*, Blume (hond Fée). (Hook. l. c. p. 222, cum syn.)—c.p. 1373 (1103, 1113).

HAB. More elevated parts of the Central Province.

24. *A. aspidioides*, Schlecht. (Hook. l. c. p. 223, cum syn.)—c.f. 1344 (1066).

HAB. Newera Ellia, Maturatta, etc.

25. *A. gymnogrammoides*, Kl. (Hook. l. c. p. 227, cum syn.)—c.f. 1344, 1345 (1066-9).

HAB. Higher forests of the Central Province.

Some forms of this plant approach very nearly *A. aspidioides*.

26. *A. australe*, Brack. (Hook. l. c. p. 232, cum syn.)—c.f. 1347.

HAB. Damp shady forests in the Central Province.

The more deltoid and flaccid fronds and their smaller ultimate divisions distinguish this species from the preceding one.

d. *Diplazium*.

27. *A. lanceum*, Thunb. (Hook. l. c. p. 235, cum syn.)—c.f. 1335.

HAB. Forests of the Central Province.

28. *A. Seylanicum*, Hook. l. c. p. 237; 2nd Century of Ferns, t. 16.—c.f. 3101 (1240).

HAB. Forests of the Ambagamowa and Kotmale Districts.

A good species, and by no means the young state of a more compound form.

29. *A. sylvaticum*, Pr. (Hook. l. c. p. 248, cum syn.)—*A. elatum*, Mett.; Hook. l. c. p. 249. *Diplazium sylvaticum*, Sw., Moore, l. c. p. 339, cum syn.—c.f. 1349.

HAB. Common in the forests of the Central and Southern Provinces.

30. *A. Thwaitesii*, A. Br. (Hook. l. c. p. 250, cum syn.; 2nd Century of Ferns, t. 45)—c.f. 1343.

HAB. Forests of the Central Province.

31. *A. Schkuhrrii*, Mett. (Hook. l. c. p. 251, cum syn.)—*Diplazium Schkuhrrii*, L. Sm.; Moore, l. c. p. 337.—c.f. 3100 (1063, 1247).

HAB. Ambagamowa and Saffragam Districts.

In large specimens the lower pinnae are pinnated with their pinnules pinnatifid.

32. *A. polypodioides*, Mett. (Hook. l. c. 257, cum syn.)—*Diplazium polypodioides*, Blume; Moore, l. c. p. 334, cum syn.—c.f. 1352, 1353, 3098 (1061, 1062).

Var. β ; *pinnulis magis acuminatis, ramo inferiore venarum primariorum a costa parum distante*—*Diplazium dilatatum*, var. β . *minor*, Moore, l. c. p. 327.—c.f. 3332 (1245). An species distincta?

HAB. Very abundant in damp forests; var. β , Ambagamowa.

33. *A. dilatatum*, Hook. l. c. p. 258, cum syn.—c.f. 1350 (1060).

HAB. Very common in damp forests.

e. *Autogonium*

34. *A. occultum*, Pr. (Hook. l. c. p. 268, cum syn.)—*Callipteria ambigua*, Moore, Ind. Fil. p. 216, cum syn.—c.f. 3270 (1058).

HAB. Common on the shady banks of rivers and streams.

35. ALLANTODIA, Wall.

1. *A. Brunneolana*, Wall. (Plant. As. Rar. p. 44, t. 52; Hook. Sp. Fil. p. 271, cum syn.)—c.f. 2643 (1067).

HAB. Damp forests of the Central Province, at an elevation of 3000 to 3000 feet.

23. AOTINIOPTERIS, Link.

1. *A. radiata*, Link. (Hook. Sp. Fil. iii p. 276, cum syn.; Hook. Ic. Plant. t. 975, 976.)—c.p. 1342.

HAB. Trincomalee, *Gardner*. Gonagama on the lower Badulla road from Kandy.

24. PTERIS, Linn.

a *Pellaea*

1. *P. geraniifolia*, Raddi. (Hook. Ic. Plant. x t. 915.)—*Pellaea geraniifolia*, Fée, Hook. Sp. Fil. ii p. 132, cum syn.—c.p. 3103 (1125).
HAB. Common in the warmer parts of the island.

2. *P. Bolvini*, Hook. l. c. p. 147, t. 118, A—c.p. 3363.

HAB. Hantani, in the Central Province, at an elevation of 4000 feet.

b *Ornithopteris*

3. *P. aquilina*, Linn.—Var. β *lanuginosa*, Hook. l. c. p. 196, cum syn.—c.p. 1332 (1134).

HAB. Very common in the Central Province

c *Eupteria*.

4. *P. longifolia*, Linn. (Hook. Sp. Fil. ii p. 157, cum syn.)—c.p. 3144.

HAB. Oova and Doombura Districts.

5. *P. Oretica*, Linn. (Hook. l. c. p. 159, cum syn.)—c.p. 3502.

Var. β . *P. Hookeriana*, Ag. (Hook. l. c. p. 165)—c.p. 1339.

HAB. Oova District; var. β in the Nalluragam District.

Var. β is distinguished by the more coriaceous texture of its barren fronds, their wider pinnæ, and the veins of the latter being directed more forward.

6. *P. crenata*, Sw. (Hook. l. c. p. 163, cum syn.)—c.p. 1338.

HAB. A very abundant species in the warmer parts of the island.

7. *P. patens*, Hook. l. c. p. 177, t. 137, cum syn.—An *P. (Compteris)* *Gardneri*, Fée, Gen. Fil. p. 139; Hook. l. c. p. 207 f.—c.p. 1047 (1126).

HAB. Forests of the Central Province, not very uncommon.

A most beautiful species, with large feathery fronds four or five feet in length.

8. *P. quadrifurcata*, Retz. (Hook. l. c. p. 179, t. 134, B, cum syn.)—c.p. 1330 (1129).—Et forma *ladens*; *pinnulis* plus minus irregularibus, aliis elongatis, aliis abbreviatis vel abortivis.—c.p. 1251, 3080 (1123).

HAB. Very abundant.

9. *P. semipinnata*, Linn. (Hook. l. c. p. 160, cum syn.)

HAB. Ceylon; Walker, in *Herb. Hook.*

I have never seen the typical *P. semipinnata* growing in the island; some of the nearest forms of *P. quadrifurcata* would seem to make an approach to it.

d. *Campylaria*

10. *P. muricata*, Linn. (Hook. l. c. p. 203, cum syn.)—*P. nemorosus* Willd.; Hook. l. c. p. 202, cum syn.—c.p. 1048 (1128, 1130, 1240, 1241).

HAB. Very common in the Central Province.

Although specimens occur which appear intermediate between this plant and *P. quadrifurcata*, I believe the two are specifically distinct. Very young plants of each growing side by side under exactly similar conditions, exhibit respectively, in a marked degree, the characteristic venation of the mature plants.

e. *Lalobrochia*.

11. *P. tripartita*, Sw. (Hook. l. c. p. 225, t. 138, B, cum syn.)—c.p. 1327 (1127).

HAB. Forests of the Central Province, not very common.

12. *P. aurita*, Blume. (Hook. l. c. p. 231, cum syn. An *P. incisae* Thunb. var. ?)—c.p. 1328.

HAB. Not uncommon in the Central Province.

25. CHEILANTHES, Sw

1. *C. farinosa*, Kaulf. (Hook. Sp. Fil. ii. p. 77, cum syn.)—c.p. 2987 (1168).

HAB. More elevated parts of the Central Province.

2. *C. tenuifolia*, Sw. (Hook. l. c. p. 82, cum syn.)—c.p. 1322 (1167, 1237).

HAB. Common in the warmer parts of the island

3. *C. Mysorensis*, Wall. (Hook. l. c. p. 94, cum syn.)—c.p. 1320 (1163).

HAB. Badulla and Doombura Districts.

4. *C. varians*, Hook. l. c. p. 80, t. 103, A, cum syn.—*C. laxa*, Moore, Ind. Fil. p. 245.—c.p. 1321.

HAB. Kornegalle District and Caloopahane.

26. ADIANTUM, Linn.

1. *A. lunulatum*, Burm. (Hook. Sp. Fil. ii. p. 11, cum syn.; Rheede, Hort. Mal. xii. p. 72, t. 40)—c.p. 1323 (1233).

HAB. Hotter parts of the island.

2. *A. rhizophorum*, Sw. (Hook. l. c. p. 12, cum syn.)—c.p. 3102.

HAB. Oova and Doombura Districts.

3. *A. candelatum*, Linn. (Hook. l. c. cum syn.)—c.p. 978 (1124).

HAB. Very abundant in the warmer parts of the island.

4. *A. subulatum*, Linn. (Hook. l. c. p. 30, cum syn.)—c.p. 3390 (1239).

HAB. Oova District.

5. *A. meridionale*, Sw. (Hook. l. c. p. 31, cum syn.)—c.p. 1325 (1093).

HAB. Not uncommon.

6. *A. Capillare-Venerale*, Linn. (Hook. l. c. p. 33, cum syn.)—c.p. 1326.

HAB. Oova and Doombura Districts.

27. *LINDSAYA*, Dryand.a. *Eulindaea*.

- 1.
- L. cultrata*
- , Sw. (Hook. Sp. Fil. i. p. 203, cum syn.)—c.p. 3070.

HAB. Abundant in the more elevated parts of the Central Province.

2. *L. repens*.—*L. oblongifolia*, Reinw.; Hook. l. c. p. 206. *Davallia Boryana*, Presl; Hook. l. c. p. 175, cum syn. *Acrophorus repens*, Moore, Ind. Fil. p. 3, cum syn. *Dicksonia repens*, Bory; Willd. Sp. Pl. v. p. 482.—c.p. 3389. Forma *minor*, lobis pinnarum longioribus.—c.p. 1389.

HAB. Singhe-rajah Forest. Forma *minor*, Matale, Gardner.

- 3.
- L. Walkeri*
- , Hook. l. c. p. 209, t. 99, A —c.p. 1379.

HAB. Swampy grassy places in the Saffragam District.

- 4.
- L. flabellulata*
- , Dryand. (Hook. l. c. p. 211, cum syn.)—c.p. 3311.

HAB. Forests of the Central Province.

- 5.
- L. tenera*
- , Dryand. (Hook. l. c.)—c.p. 1381 (1259).

HAB. Not uncommon in the Central Province.

Closely allied to *L. flabellulata*, if not a form of it

- 6.
- L. caudata*
- , Hook. l. c. p. 215; Hook. Ic. Plant. x. t. 958, and Century of Ferns, t. 58 —c.p. 1380 (1262)

HAB. Forests of the Central Province, not uncommon.

b. *Schizoloma*.

- 7.
- L. ensifolia*
- , Sw. (Hook. l. c. p. 220, cum syn.; Hook. et Grev. Ic. Fil. t. 3.)—c.p. 1382 (1131)

HAB. Common in the warmer parts of the island.

8. *L. nitens*, Blume, Eu. Fil. Jav. p. 217 —*L. recurvata*, Wall.; Hook. l. c. p. 222, cum syn. Et forma *bipinnata*, *L. obtusa*, J. Sm.; Hook. l. c. p. 224 —c.p. 982 (1260, 1261)

HAB. Very common in the forests of the Central Province.

The pinnae or pinnales as the case may be of this very variable plant are as frequently directed forwards as recurved, so that Blume's name is much more generally appropriated than Wallich's

28. *DAVALLIA*, Linn.a. *Humata*

- 1.
- D. pedata*
- , Sw. (Hook. Sp. Fil. i. p. 154, t. 45, A, cum syn.)—c.p. 1383 (1112).

HAB. Common in the Central Province.

- 2.
- D. vestita*
- , Blume, Kn. Fil. Jav. p. 233; Hook. l. c. p. 156, t. 41, C.—c.p. 3038.

HAB. Bopatalawa Plains, in the Central Province, at an elevation of 5000 to 6000 feet.

b. *Leucostegia*.

3. *D. pulchra*, Don. (Prod. Fl. Nep. p. 11; Hook. l. c. p. 160.)—*D. macrophylla*, Wall. Cat. n. 259; Hook. l. c. p. 157, t. 41, A, cum syn. *Acrophorus pulcher*, Moore, Ind. Fil. p. 3, cum syn.—c.p. 3038.

HAB. Forests above Galagama,^a upon rocks in damp gullies.

4. *D. affinis*, Hook. l. c. p. 159, t. 52, B.—*Acrophorus affinis*, Moore, l. c. p. 1.—c.p. 1384 (1117).

HAB. Very common in damp forests of the Central Province.

c. *Prosaptia*.

5. *D. Emersoni*, Hook. et Grev. (Ic. Fil. t. 105; Hook. l. c. p. 161, cum syn.)—c.p. 1385.

HAB. Not uncommon in forests of the Central Province.

6. *D. contigua*, Sw. (Hook. l. c. cum syn.)—c.p. 3069 (1114).

HAB. Common in the more elevated parts of the Central Province.

d. *Eudavallia*.

7. *D. elegans*, Sw. (Hook. l. c. p. 164, t. 43, A and B, cum syn.; Moore, l. c. p. 293.)—c.p. 3078.

HAB. Not very uncommon in the Central and Southern Provinces of the island, at no great elevation.

8. *D. tenuifolia*, Sw. (Hook. l. c. p. 186, cum syn.; Moore, l. c. p. 301.)—c.p. 983 (1115).

HAB. Very abundant.

e. *Microlepia*.

9. *D. strigosa*.—*D. Khayana*, Hook. l. c. p. 173, tt. 47 A, 57 A. *Dicksonia strigosa*, Sw.; Hook. l. c. p. 81, cum syn. (Moore).—c.p. 1386 (1120).

HAB. Common in the forests of the Central Province.

10. *D. platyphylla*, Don. (Prod. Fl. Nep. p. 10.)—*D. lonchitidea*, Wall.; Hook. l. c. t. 46, B, cum syn.—c.p. 3277.

HAB. Rambodde, in the Central Province, *Gardner*.

11. *D. inaequalis*, Kze. (Hook. l. c. p. 180, cum syn.)

HAB. Ceylon; *Walker*, in Herb. Hook.

12. *D. hirta*, Kaulf. (Hook. l. c. p. 181, cum syn.)—c.p. 3272.

HAB. Forests of the Central Province, common.

13. *D. polypodioides*, Don. (Hook. l. c. cum syn.)—c.p. 1387, 1388 (1119).

HAB. Very abundant in the Southern and Central Provinces.

29. DICKSONIA, L'Hér.

Subgenus PATANIA.

1. *D. deltoidea*, Hook. (Sp. Fil. i. p. 80, t. 28, A.)—*Dennstedtia deltoidea*, Moore, Ind. Fil. p. 306.—c.p. 1397 (1118).

HAB. Most elevated parts of the Central Province.

30. ASPIDIUM, Sw.

a. *Polypetichum*.

1. *A. articulatum*, Sw.? (Hook. Sp. Fil. iv. p. 11, t. 218, cum syn.)—c.p. 1399 (1095).

HAB. Common in the forests of the Central Province.

3. *A. aculeatum*, Sw. (Hook. l. c. p. 18, cum syn.)—c.p. 1367, 3508 (1100, 1101).

HAB. More elevated parts of the Central Province.

3. *A. biaristatum*, Blume. (Hook. l. c. p. 29.)—c.p. 3275 (1102).

HAB. Maturatte, with *A. aculeatum*, of which I suspect it will prove to be merely a variety.

4. *A. amabile*, Blume. (Hook. l. c. p. 25, t. 225, cum syn.)—c.p. 3287.

HAB. More elevated parts of the Central Province.

5. *A. anomalum*, Hook. et Arn. (Hook. l. c. p. 27; excl. "c.p. 3286," formam *Polypod Walkerae*, Hook.)—c.p. 3501.

HAB. Horton Plains and Happootelle, at an elevation of 5000 to 6000 feet.

6. *A. aristatum*, Sw. (Hook. l. c. p. 27)—c.p. 1373, 3384 (1098).

HAB. Very common in the Central Province.

b. *Euspidium*.

7. *A. pteropus*, Kze. (Hook. l. c. p. 47, cum syn.)—c.p. 1355 (1068).

HAB. Common in damp forests.

8. *A. cicutarium*, Sw. (Hook. l. c. p. 48, cum syn.)—c.p. 1356.

Var. β ; frondibus firmioribus, siccitate nitidis, venulis margini frondis non vel rarius attingentibus.—c.p. 3331. An species distincta?

HAB. Central Province, not uncommon. Var β near Badulla, Mr. Ondaatchi; near Galle.

9. *A. giganteum*, Blume (Hook. l. c. p. 50, cum syn.)—c.p. 1357 (1111).

Var. β *minor*, Hook. l. c.—c.p. 1358. An species distincta?

HAB. Very abundant in the Central Province. Var. β in the Doomberra district, at no great elevation.

The fronds of var. β are much smaller, more deeply lobed, and of much more delicate texture than those of the ordinary form.

10. *A. membranifolium*, Mett. Aspid. p. 113.—*Nephrodium* (*Lastrea*) *membranifolium*, Pr.; Hook. l. c. p. 131, t. 201, cum syn. An *A. Gardnerianum*, Mett. P.—c.p. 3061, 3096 (1258).

HAB. Common in forests of the Central Province.

There would seem to be little, except the difference in the venation, to distinguish the present species from *A. giganteum*. When growing together, the two plants look precisely alike, when seen from some little distance.

11. *A. subtriphyllum*, Hook. l. c. p. 52, cum syn.—c.p. 1300.

HAB. Forests of Allagalla and Maturatte, in the Central Province.

12. *A. polymorphum*, Wall. (Hook. l. c. p. 54, cum syn.)—c.p. 1354 (1096).

HAB. Common in the Central Province.

c. *Plecozamia*.

13. *A. Oenota*, Kze. (Mett. Asp. p. 34.)—*Nephrodium* (*Plecozamia*) *aristatum*, Hook. l. c. p. 62, t. 236, cum syn. *Anisocampium Cunninghamii*, Pr. Epim. Bot. p. 58.—c.p. 1299.

HAB. Bintenne, Gardner; Gonagama, north of Kandy.

d. *Nephrodium*.

14. *A. molle*, Sw.—*Nephrodium molle*, Desv.; Hook. l. c. p. 67, cum syn.—c.p. 714, 974.

HAB. Very abundant throughout the island.

15. *A. extensum*, Blume, En. Fil. Jav. p. 156.—*Nephrodium extensum*, Bl.; Hook. l. c. p. 72, cum syn.—c.p. 3391, 3498.

HAB. Oova District.

16. *A. Arbuscula*, Willd.—*Nephrodium Arbuscula*, Desv.; Hook. l. c. p. 74.—c.p. 1359 (1109).

HAB. Common in the Central Province.

17. *A. terminans*, Wall Cat. n. 386.—*Nephrodium terminans*, J. Sm.; Hook. l. c. p. 73, cum syn.—c.p. 990 (1106).

HAB. Central Province, not uncommon.

18. *A. propinquum*.—*Nephrodium propinquum*, R. Br.; Hook. l. c. p. 79, cum syn.—c.p. 705.

HAB. South of the island, at no great elevation.

19. *A. unitum*, Mett. Asp. p. 107.—*Nephrodium unitum*, Sieb.; Hook. l. c. p. 81, cum syn.—c.p. 973.

HAB. A common species in the island.

20. *A. eusorum*, Thw.—*A. pennigerum*, Blume, l. c. p. 153 (haud Sw.)—c.p. 3064 (1104, 1252).

HAB. Forests of the Central Province, not uncommon.

Caudex brevis. *Fronde*s glabræ vel subglabræ, lanceolatæ, acuminatæ, pinnatæ. *Pinnæ* numerosæ, lineares, acuminatæ, 5-10 poll longæ, 4-1 poll latæ, sessiles, versus basin abruptam plus minus angustatæ (paucæ inferiores subito parvulæ, rotundatæ, distantes), lobis mediocribus subintegris, abrupte truncatis, venulis pluribus, omnibus medio soriferis, 2 inferioribus infra sinum unitis. *Indusium* parvum [This, I fear, is identical with what I consider *Nephrodium abruptum*, Sp. Fil. iv. p. 79; from which, however, the syn. of *A. pennigerum* should be excluded—Hook.]

21. *A. abruptum*, Blume, l. c. p. 152.—*Nephrodium abruptum*, Pr.; Hook. l. c. p. 77, t. 241, B.—c.p. 3271 (1224).

HAB. Damp forests of the Central Province.

e. *Lastrea*

22. *A. calcaratum*, Blume, l. c. p. 159.—*Nephrodium (Lastrea) calcaratum*, Hook. l. c. p. 93, cum syn. *N. (Lastrea) falcilobum*, Hook. l. c. p. 108.—c.p. 1363, 3273 (1107, 1250).

Var. β . Hook. l. c. p. 108.—c.p. 992, 3050.

HAB. On the sides of streams and in damp forests, common.

A most variable plant, but the extreme forms pass insensibly into one another.

23. *A. faccidum*, Blume, En. Fil. Jav. p. 161.—*Nephrodium (Lastrea) faccidum*, Hook. Sp. Fil. iv. p. 133, t. 263.—c.p. 3802.

HAB. More elevated parts of the Central Province.

24. *A. gracilescens*, Blume, l. c. p. 155.—*Nephrodium (Lastrea) gracilescens*, Hook. l. c. p. 93, cum syn. *A. Thelypteris*, Benth. Flor. Hongk. p. 455.—c.p. 1287 (1141).

HAB. More elevated parts of the Central Province.

25. *A. xyloides*, Kze. in Linn. xxiv. p. 281.—*Lastrea xyloides*, Moore

(This specimen. ex Herb. Ind. Orient. Hook. f. et Thoms.).—c.p. 1861 (1108).

HAB. Newera Ellia, and other more elevated parts of the Central Province.

Sori prope costulam siti.

26. *A. oethodes*, Kze. l. c. p. 282.—*Nephrodium (Lastrea) oethodes*, Hook. l. c. p. 109 partim. *A. glanduliferum*, Wall. Cat. n. 347.—c.p. 875 (1362).

HAB. Not uncommon in forests of the Central Province.

Very like *A. tylodes*, from which it is at once distinguished by the sori being situated nearer to the margin than to the costule of the pinna-lobes.

27. *A. spectabile*, Blume; l. c. p. 158.—*Nephrodium (Lastrea) spectabile*, Hook. l. c. p. 115, cum syn.—c.p. 3274.

HAB. Higher forests of the Central Province.

28. *A. hirtipes*, Blume, l. c. p. 148.—*Nephrodium (Lastrea) hirtipes*, Hook. l. c. p. 115, cum syn. *Aspidium atratum*, Wall. Cat. n. 380.—c.p. 1291 (1091).

HAB. Common in the upper forests of the Central Province.

29. *A. Filix-mas*, Sw. (Willd. Sp. Pl. v. p. 259.)—*Nephrodium (Lastrea) Filix-mas*, Rich. Var. β , Hook. l. c. p. 116, cum syn.—c.p. 1364 (1092).

HAB. Newera Ellia and other of the most elevated parts of the Central Province.

30. *A. concinnum*, Thw.; caudice brevi; frondibus lanceolatis vel triangulari-lanceolatis, teneris, glabris, nitidis, cum stipite stramineo basi paleaceo æquilongè bipedalibus; pinnis lanceolatis, acuminatis; pinnulis trapezordeo-lanceolatis, crenato-lobatis, lobis parce denticulatis, venis paucis paulo intra marginem terminantibus et ad apices soriferis; soriis parvis; indusio glabro, rotundato—c.p. 3798.

HAB. Singhe-rajah Forest.

Very similar in general appearance to some forms of *Aspidium sparsum*, Don, but distinguished by its smaller sori, and these being much nearer to the margin of the pinnae than in that species. [*A. sparsum*, Sp., *A. purpurascens*, Bl., is very variable, and some of my specimens have the sori very near the margins—Hook.]

31. *A. sparsum*, Spr. Syst. iv. p. 106.—*A. purpurascens*, Blume, l. c. p. 169. *Nephrodium sparsum*, Don, Prod. Fl. Nep. p. 6. *N. (Lastrea) purpurascens*, Hook. l. c. p. 132, t. 262, cum syn.—c.p. 1375.

Var. β ; frondium pagina superiore nitida, pinnulis brevioribus, magis deltoideis, soriis margine propioribus; indusio siccitate plicato.—*Lastrea sparsa*, var. *lata*, Moore, MSS.—c.p. 1368, 1369? 1370, 3383. An species distincta?

HAB. Very abundant in the forests of the Central Province.

An extremely variable species.

32. *A. divisum*, Wall. Cat. n. 393.—*Nephrodium (Lastrea) divisum*, Hook. l. c. p. 133, cum syn.—c.p. 3097.

HAB. Forests at Raxawa and Happootelle, in the Central Province.

33. *A. Blumel*.—*Nephrodium (Lastrea) Blumel*, Hook. l. c. p. 135, cum syn.—c.p. 3059 (1280).

Var. ? frondibus firmioribus, siccitate nigrescentibus, subtus minute glanduloso-pilosis, nec paleaceis.—c.p. 3142. An species distincta?

HAB. Common in the Central Province, in damp forests. Var. ? at Newera Ellia and Maturatte.

The two forms indicated above are much alike in general appearance, but I think will prove to be specifically distinct.

34. **A. recedens**, Mett.—*Nephrodium* (*Lastrea*) *recedens*, Hook. l. c. p. 135, t. 265, cum syn.—c p. 1374 (1110).

HAB. Forests of the Central Province.

35. **A. tenericaule**, *Nephrodium* (*Lastrea*) *tenericaule*, Hook. l. c. p. 142, t. 269, cum syn.—c p. 1286, 1365 (1150, 1222).

HAB. Very abundant in the Central Province.

f *Diclisodon*.

36. **A. deparioides**, Hook. Fil. Exot. 1. t. 3—*Nephrodium* (*Lastrea*) *deparioides*, Hook. Sp. Fil. iv. p. 139. *Diclisodon deparioides*, Moore, Ind. Fil. p. 316—c p. 3062.

HAB. Forests of the Central and Southern Provinces, up to an elevation of 3000 feet.

31 NEPHROLEPIS, Schott

1. **N. tuberosa**, Pr (Hook. Sp. Fil. iv. p. 151, cum syn.)—c p. 1377 (1090).

HAB. Common throughout the island.

2. **N. exaltata**, Schott. (Hook. l. c. p. 152, cum syn.)—c p. 3077 (1089).

HAB. Very abundant on the margins of woods, sides of streams, etc.

3. **N. acuta**, Pr (Hook. l. c. p. 153, cum syn.)—c p. 991.

HAB. Equally abundant with the preceding, of which I believe it to be only a luxuriant form.

4. **N. obliterated**, Hook. l. c. p. 154, cum syn.—c p. 1376 (1094).

HAB. A very common plant.

32. OLEANDRA, Cav

1. **O. neritiformis**, Cav (Hook. Sp. Fil. iv. p. 156, Hook. Fil. Exot. t. 58).—c p. 1378 (1087).

HAB. Upper forests of the Central Province.

33. POLYPODIUM, Linn

Eupolypodium

1. **P. parasiticum**, Mett. (Hook. Sp. Fil. iv. p. 167, cum syn.)—c p. 1283.

HAB. Central Province, and in Pas-doan-Corle.

2. **P. Meylanicum**, Mett. (Hook. l. c. p. 169, t. 272 B).—c p. 3074 (1138, 1283).

HAB. Common in the more elevated parts of the Central Province.

3. *P. cucullatum*, Nees. (Hook. l. c. p. 176, cum syn.)—*Calymmodon cucullatus*, Pr.—C.P. 1282.

HAB. Higher forests of the Central Province, not common.

4. *P. parvulum*, Bory, (Hook. l. c. p. 184, t. 274 B.)—C.P. 1290, 3073.

HAB. Common on the trunks of trees in the higher parts of the Central Province.

Distinguished from *P. obliquatum*, Bl., small forms of which it greatly resembles, by the sori not being immersed as in that species. The fronds are frequently hispidulous beneath.

5. *P. glandulosum*, Hook. l. c. p. 193, t. 276 A.—C.P. 1289

HAB. Rambodde, in the Central Province, *Gardner*

6. *P. obliquatum*, Blume, (Hook. l. c. p. 190, cum syn.)—C.P. 1284 (1146)

HAB. Very abundant on the trunks of trees in the more elevated parts of the Central Province.

7. *P. elongatum*, Wall. (Hook. l. c. p. 234)

Forma *a. frondibus* pinnatis, *pinnis* crenatis vel brevilobatis, lobis rotundatis subdenticulatis.—C.P. 3276 *a* (1256)

Forma *b. frondibus* pinnato-pinnatifidis vel subbipinnatis—*P. Walkerae*, Hook. l. c. p. 233—C.P. 3276 *b* (1256)

Forma *c. frondibus* bi-tri-pinnatis—C.P. 3286; an species distincta?

HAB. Var. *a* and *b* Carawitte Kanda and Ambagamowa, var. *c*, Ambagamowa.

Var. *c*, although very closely allied to the other two varieties, and in some instances, hardly to be distinguished from var. *b*, except by its more composite structure, is probably specifically distinct, the fronds assuming a different tint of brown when dry.

8. *P. paludosum*, Blume, (Hook. l. c. p. 245, cum syn.)—C.P. 1288 (1151)

HAB. More elevated parts of the Central Province

9. *P. rufescens*, Blume, (Fil. Jav. p. 194, t. 91; Hook. l. c. p. 267)—C.P. 3143 (1118)

HAB. Forests of the Central Province, at an elevation of 3000 to 5000 feet.

[A species hitherto unknown to me, Mr. Thwaites's n. 3143 sufficiently corresponds in habit and form with Blume's figure, but the specimens are smaller, less compound, and more membranaceous—Hook.]

10. *P. rugulosum*, Labill. (Hook. l. c. p. 272, cum syn.)—C.P. 1285 (1149).

HAB. Common in the Central Province.

b. *Goniopteris*

11. *P. granulosum*, Pr. (Benth. Flor. Hongk. p. 459, cum syn.)—*P. urophyllum*, Wall. Cat. n. 299; Hook. l. c. v. p. 9.—C.P. 3063 (1137, 1223).

HAB. Forests of the Central Province, not uncommon.

c. *Placopeltis*.

12. *P. Wightianum*, Wall. Cat. n. 2222. (Benth. l. c. p. 458, cum

syn.)—*P. loriformis*, Wall. ; Hook. l. c. v. p. 57. *Pleopeltis nuda*, Hook. Ex. Fl. t. 63.—c.p. 1295 (1139).

HAB. Common in forests of the Central Province.

13. *P. tridactylon*, Wall. (Hook. and Grev. Ic. Fil. t. 209; Hook. Sp. Fil. l. c. v. p. 75; Benth. l. c.)—c.p. 1301.

HAB. Muruta, Gardner; Ambagamowa District, at no great elevation.

14. *P. membranaceum*, Don. Prod. Fl. Nep. p. 2; Hook. l. c. v. p. 79.—*Pleopeltis*, Moore.—c.p. 1298 (1145).

HAB. Common on the trunks of trees, etc., in damp forests of the Central Province.

15. *P. nigrescens*, Blume, En. Fil. Jav. p. 126; Hook. Fil. Exot. t. 22; Hook. l. c. v. p. 81.—*Phymatodes succata*, J. Sm. Cat. Cult. Ferns, p. 9.—c.p. 1296 (1144).

HAB. Common in forests of the Central Province.

16. *P. Phymatodes*, Linn. (Willd. ; Hook. l. c. v. p. 82; Blume, l. c. p. 125).—c.p. 1297.

HAB. Common in the warmer parts of the island.

17. *P. oxylobum*, Wall. Cat. ; Hook. l. c. v. p. 77.—*Phymatodes hastata*, Moore; *P. longipes*, J. Sm. l. c.—An *Polypod. hastatum*, Thunb. (*P. Cytoloma*, Wall. Cat.) forma?—c.p. 3291 (1143).

HAB. More elevated parts of the Central Province.

18. *P. trioides*, Poir. (Spreng. Syst. iv. p. 48, Hook. l. c. v. p. 67. c.p. 3799).

HAB. Ettangwelle and Halgodde Pass, Matelle East.

d *Drynaria*

19. *P. quercifolium*, Linn. (Hook. l. c. v. p. 96).—*Drynaria quercifolia*, Bory. *Phymatodes quercifolia*, Pr.—c.p. 3265 (1142).

HAB. Very abundant upon old trees in the warmer parts of the island.

e *Niphobolus*.

20. *P. Gardneri*, Mett. Polyp. p. 129; (Hook. l. c. v. p. 51).—c.p. 988 (1154).

HAB. Not uncommon.

Rhizoma, cum *stipitum* basi, paleis firmis erectis lauceolatis fusco-nigris margine fulvis tectum.

21. *P. porosum*, Wall. Cat. n. 260; Hook. l. c. v. p. 48.—*Niphobolus porosus*, Pr.—c.p. 3104 (1226).

HAB. Forests of the Central Province, at no great elevation, not common.

22. *P. Lingua*, Sw. (Willd. Sp. Pl. v. p. 162; Hook. l. c. v. p. 49).—*Acrostichum Lingua*, Thunb. Fl. Jap. p. 330, t. 33.—c.p. 1294.

HAB. Not uncommon in the warmer parts of the island, and up to an elevation of 3000 feet.

23. *P. adnascens*, Sw. ; Willd. l. c. p. 145, Hook. l. c. v. p. 47; Benth. Fl. Hongk. p. 458, cum syn.—*P. pertusum*, Roxb. ; Hook. Ex.

Fl. t. 162 *Niphobolus adnescens*, Kaulf. *N. carnosus*, Bl. *N. pertusus*, Spr.—c p 993, 3293 (1153).

HAB. Very common upon the trunks of trees.

[NB *P. acrostichoides*, Sw Hook l c v p 44, is considered a native of Ceylon, on the authority of a specimen from *Gardner*]

34 DIACALPE, Blume

1 *D. aspidioides*, Blume (Hook Sp Fil i p 59, cum syn)—c p 3282

HAB "Black Pool" in Newera Ellia, Dr *E. Bradford*

35 CYATHEA, Sw

1 *C. sinuata*, Hook et Grex Ic Fil t 2, Hook Sp Fil i p 15, Gard Ferns, t 21—c p 3052

HAB Forests in the Kokoole and Himdoon Corles, at no great elevation, most abundant in the Singhe rajah Forest

2 *C. Hookeri*, Thw., caudice elongato, stipitibus basi parce muricatis et paleis rigidiusculis setoso acuminatis minutis, frondibus anguste lanceolatis, acuminatis pinnatis apice pinnatifidis pinnis lanceolatis subintegris vel crenato lobatis, basi latioribus truncatisque, brevipedatis superioribus sessilibus inferioribus gradatim minoribus, subtus ad costam parce paleaceis, ramis simpliciter pinnatis ramis inferioribus supra sinum terminantibus prope basin serratis, indusio globoso, irregulariter fesso—c p 3722

HAB Singhe rajah Forest

Caudex circiter 1½ poll in diam. basibus nigris frondium delapsorum tectus. Fronds 3 pedales vel ultra circiter 6 poll liti. [A small for an arborescent Fern, but a very distinct species now happily in cultivation at Kew. Hook.]

3 *C. Walkerae*, Hook l c p 24, Hook Ic Plant vii t 617—c p 1398, 1399 (1054, 1400)—Forma *indusio* majoribus, subregularibus c p 3053

HAB Common in the Central Province, up to an elevation of 4000 feet

Varies greatly in the more or less coriaceous texture of its fronds and in the amount of development of the indusium which is sometimes hardly to be detected. This species seems to be very closely allied indeed to *C. spinulosa*, Wall.

36 ALSOPHILA, R. Br

1. *A. gigantea*, Wall (Hook Sp Fil. i p 53, cum syn)—c p 1403

HAB Not uncommon in the Central and Southern Provinces, up to an elevation of 4000 feet

2. *A. crinita*, Hook l c p 54, Hook Ic Plant t 671—c p 1401.

HAB. Newera Ellia and other of the more elevated parts of the Central Province

37. HYMENOPHYLLUM, Sm.

1. *H. corticola*, Hook.—*H. Lyallii*, Moore, in Litt. (but certainly not *H. Lyallii*, Hook. fil. Nov. Zeal. ii. p. 16).—c.p. 3278 (1265).

HAB. Ambagamowa District.

Rhizoma capillare, repens, et, cum *stipulibus* longiusculis, hispidulum. *Frondes* ½-1-pollicales, cuneato-orbiculares, palmato-incisæ, glabræ, *segmentis* linearibus, retusis, costâ centrali, margine non incrassata. *Sori* terminales, *involucro* pœniformi, subbilabiato.

2. *H. Tunbridgensæ*, Sm. (Hook. l. c. p. 95, cum syn.)—c.p. 2984.

HAB. Common in the more elevated parts of the Central Province.

3. *H. crispatum*, Wall. (Hook. l. c. p. 105, cum syn.)—c.p. 1394, 1395.

HAB. Very abundant in the forests of the Central and Southern Provinces.

4. *H. polyanthos*, Sw. (Hook. l. c. p. 106, cum syn.)—c.p. 3279, 3360 (1264).—Van den Bosch, in his second supplement to the 'Hymenophyllaceæ,' refers to Mr Thwaites's n. 3360. for his *H. macroglossum* (Hook).

HAB. Upper forests of the Central Province.

5. *H. Blumeanum*, Spr. Syst. iv. p. 131; Blume, En. Fil. Jav. p. 220; Hook. Sp. Fil. i. p. 147; Van den Bosch, Hymenoph. Jav. p. 46, t. 36.—c.p. 1491.

HAB. Forests of the Southern and Central Provinces.

6. *H. exsertum*, Wall. (Hook. l. c. p. 109, t. 38 A, cum syn.)—c.p. 1390.

HAB. Very common in the upper forests of the Central Province.

38. TRICHOMANES, Linn.

1. *T. muscoides*, Sw. (Hook. Sp. Fil. i. p. 117, cum syn.)—c.p. 2986.

HAB. Raxawa, in the Central Province, *Prof. W. H. Harvey*; *Palagalla*.—Thwaites's n. 2986, Van den Bosch refers to *T. bimarginatum*, V. d. Bosch.

2. *T. proliferum*, Blume, (Hook. l. c. p. 118, t. 39 B, cum syn.)—c.p. 3329.

HAB. Ambagamowa District.

3. *T. intramarginale*, Hook. et Grev. Ic. Fil. t. 211; Hook. Sp. Fil. l. c. p. 120. c.p. 3361.

HAB. Ambagamowa District.

4. *T. Filicula*, Bory, (Hook. l. c. p. 124, cum syn.)—c.p. 2985 (1266).

HAB. Common in the forests of the Central and Southern Provinces.

5. *T. glauco-fuscum*, Hook. l. c. p. 128, t. 40 A, cum syn.—c.p. 3330.

HAB. Ambagamowa District

6. *T. rigidum*, Sw. (Hook. l. c. p. 133, cum syn.)—*T. obscurum*, Blume, En. Fil. Jav. p. 227.—c.p. 1396 (1174).

HAB. Upper forests of the Central Province.

ADDENDA ET CORRIGENDA.

Page

2.

"ACROTREMA, Jack."

In descriptione, post "*Carpella*" insere: regulariter vel.

3. "A. *Walkeri*, Wight." Adde:

Var. *β. argyroncurum*; foliis majoribus, costa venisque superne depressis, albis.—c.p. 3831. An species distincta?

HAB. Pasdoon Corle.

5. "*Dillenia integra*, Thunb." Adde: certe *D. retuse*, Thunb., varietas, fide speciminum ex Herb. Hort. Bot. Calcuttensis.7. "*Goniiothalamus reticulatus*, Thw." Adde: *Flores*, quoad formam coloremque, ut *G. salicini* similium, sed majores quam in illa specie.8. "*Goniiothalamus Walkeri*, Hook. f. et Thoms." Adde:—c.p. 3825.

HAB. Singhe-rajah Forest. Nom. vulg. "Kappooroo gass."

Arbor parva, erecta, vix ramosa. *Cortex* rubro-nigrescens. *Folia* juniora rubentia. *Flores* rubri, sparsim e piloculi. *Sepala* ovata, acuta, 2 lin. longa. *Petala* exteriora ovato-lanceolata, 8 lin. longa, interiora 5 lin. longa. *Stylus* clavatus, stigmate bilobo.

The fragrant roots contain camphor, and are chewed by the Cinghalese.

9. "*Xylopia nigricans*, Hook. f. et Thoms." Adde:

HAB. Trincomalie, Rev. S. O. Glenn. Doombere District.

9.

"UNONA, Linn." Adde:

3. *U. elegans*, Thw.; arborea vel fruticosa, ramosissima; foliis parvis, anguste lanceolatis, longe acuminate, subtus glaucis; floribus ut in *U. Zeylanica* sed minoribus; *carpellis* inter semina multum constrictis.—c.p. 3824.

HAB. Hindoon Pattoo.

9.

"POLYALTHIA, Blume." Adde:

Sect. 2.—*Carpella monosperma*.

(*Guatteria*, Hook. f. et Thoms., et hujus Enum., sed non Ruiz et Pavon.)

Vide Benth. et Hook. f. Gen. Plant. p. 25.

2. *P. longifolia*, Benth. et Hook. f. l. c.—*Guatteria longifolia*, Wall., hujus Enum. p. 10.—c.p. 1041.

3. *P. suberosa*, Benth. et Hook. f. l. c.—*Guatteria suberosa*, Dun., hujus Enum. p. 10.—c.p. 1035.

4. *P. Coriati*, Benth. et Hook. f. l. c.—*Guatteria Coriati*, Dun., hujus Enum. p. 10.—c.p. 1034.

Page

5. *P. persicifolia*, Benth. et Hook. f. l. c.—*Guatteria persicifolia*, Hook. f. et Thoms., hujus Enum. p. 10.

6. *P. coffeoides*, Benth. et Hook. f. l. c.—*Guatteria coffeoides*, Hook. f. et Thoms., hujus Enum. p. 10.—C.P. 2503.

7. *P. acuminata*, Thw.; arborea, ramulis petiolisque pilosis; foliis majusculis, oblongis vel obovato-oblongis, rostrato-acuminatis, subglabris, ad costam canaliculatis, basi angustatis, brevipetiolatis; floribus caulinis, majusculis, subsolitariis vel paucis, tomentellis, longiuscule pedicellatis; petalis ovato-lanceolatis, acuminatis; carpellis ovoides, singulis stipite subæquilongo.—C.P. 3653.

HAB. Marai-calai, near Ratnapoora.

Cortex fusco-niger, rugosus. Folia 6–12 poll. longa, 2½–3 poll. lata, siccitate fusciscentia, petiolo 3–4 lin. longo. Pedicelli 1–2½ poll. longi, fulvo-tomentosi, infra medium bractea parva muniti. Flores ochracei. Sepala 4 lin. longa, extus fulvo-tomentosa. Petala 13 lin. longa, exteriora 5 lin., interiora 6 lin. lata. Torus convexus, tomentosus. Stylus ovario piloso æquilongus. Stigma pilosum. Carpella nuci Avellanæ magnitudine, tomentosa; semine conformi, nitido, fulvo.

11. “ALPHONSEA, Hook. f. et Thoms.” Adde:

3. *A. lutea*, Hook. f. et Thoms. Flor. Ind. p. 153, cum syn.; Roxb. Pl. Cor. t. 36.—C.P. 3826.

HAB. Reigam Corle.

Petala externe pilosa, interiora interne omnino, exteriora dimidio inferiore glabra.

11. “*Myristica Zeylanica*, Alph. DC.”—Certe *M. laurifolia*, Hook. f. et Thoms., varietas vel forma.

13. “*Cissampelos subpeltata*, Thw. ;” vix species distincta, sed inter varietates numerosas *C. Pareira* rectius includenda.

14. “CRUCIFERÆ.” Adde:

2. NASTURTIUM, R. Br.

1. *N. Indicum*, Linn. (Hook. f. et Thoms. Præcura, ad Fl. Indic. in Linn. Soc. Journ. of Proc. v. p. 138, cum syn.)—C.P. 3747.

HAB. Central Province, not common.

3. BRASSICA, Linn.

1. *B. juncea*, Linn. (Hook. f. et Thoms. l. c. p. 170, cum syn.)—C.P. 3772.

HAB. Common as a weed, and cultivated. Nom. vulg. “Abba.”

14. “CARDAMINE, Linn.”

“*C. hirsuta*, Linn.”—Dele “var. major” et seq. ad “C.P. 1017,” una cum “The trifoliate variety occurs in shady woods,” et adde:

2. *C. Africana*, Linn. (Hook. f. et Thoms. l. c. p. 144, cum syn.)—*C. hirsuta*, var. major, hujus Enum. p. 14.—C.P. 1017.

HAB. Shady woods in the more elevated parts of the Central Province.

15. “CAPPARIS, Linn.” Adde:

11. *C. floribunda*, Wight, Illust. i. p. 35, t. 14; Walp. Rep. i. p. 199.—C.P. 3766.

HAB. Doomberra District, not common.

Page

16. "*C. retusella*, Thw.;" verisimiliter *C. sepiariae*, Linn., varietas, *carpopphoro* subduplo longiore quam in forma communi illius speciei.

16. Pro "2. **PHOBEROS**, Lour." substitue:

2. **SCOLOPIA**, Spr.

Phoberos, Lour. Et adde

1. *S. Chinensis*, Clos, in Ann. des Sc. Nat. ser. 4, viii. p. 249, cum syn. — *Phoberos Chinensis*, Lour.; forma arborea, trunco spinis compositis armato. *P. Arnoltianus*, Thw. in hac Enum. p. 16.—c p. 3526.

2. *S. Gartneri*, Thw.—*S. pusilla*, Clos, l. c. *Phob Gartneri*, Thw., in hac Enum. p. 17. Var. *a*.—c.p. 2497. Var. *β*.—c.p. 1076. Var. *γ*.—64 (181,211).

3. *S. acuminata*, Clos, l. c. p. 251 — *Phob acuminatus*, Gard. MSS., hujus Enum. p. 17.—c p. 1077

4. *S. crassipes*, Clos, l. c. — *Phob. Hookerianus*, Wight, MSS, hujus Enum. p. 17 —c p. 629.

18. Pro "4. **ROUMEA**, Poir.," substitue

4. **ABERIA**, Hochst

Roumea, Poir. Et adde

1. *A. Gardnerii*, Clos, in Ann. des Sc. Nat. ser. 4, viii. p. 236. — *Roumea hebecarpa*, Gardner, hujus Enum. p. 18 —c p. 1075.

22. "POLYGALA, Linn." Adde

7. *P. arvensis*, Willd (W. et A. Prod. i. p. 36, cum syn.) — *P. rosmarinifolia*, var. *a*, hujus Enum. (non W. et A.) p. 22.

Forma *a*, folius obovato-oblongis, subglabris —c.p. 715.

Forma *b*; folius lineari-oblongis vel linearibus, subglabris.—c.p. 1083.

Forma *c*; tota planta sparsim rigide ciliata, folius obovatis vel obovato-oblongis.—c.p. 3674

HAB. Not very uncommon in the hotter parts of the island; forma *c*, Trincomalee, Rev. S. O. Glenie.

22. "*P. rosmarinifolia*, W. et A.," dele descriptionem a "Var. *a*." ad finem, et pro ea insere:

HAB. Common in the Oova District.

Formae *b*, *P. arvensis* valde similis, sed probabiliter distincta.

22. Dele "3. *P. elongata*, Klein," et seq. ad "et 592)," et insere:

3. *P. glomerata*, Lour. Fl. Coch. ii. p. 426; DC. Prod. i. p. 326; Miq. Fl. Ind. Bat. i. pars altera, p. 125.—*P. densiflora*, Blume, Bijdr. p. 59.

Var. *a. pedunculosa*, racemis plus minus elongatis.—c.p. 592 (7, 260).

23. "**XANTHOPHYLLUM**, Roxb."

Dele "1. *X. flavescens*, Roxb. (W. et A. Prod. i. 39, cum syn.)" et insere:

1. *X. virens*, Roxb.; Fl. Ind. ii. p. 221.

23. Dele "1. **TRICHAURUS** (Arn. MSS.); W. et A.;" una cum "*T. ericoides*, Arn. MSS." et seq. ad "c.p. 1251." Et insere:

Page

1. **TAMARIX**, Linn.

1. **T. Gallica**, Linn. (W. et A. Prod. i. p. 40, cum syn.)—*T. Indica*, Willd.—c.p. 1254.

23. "PORTULACA, Tourn." Adde:

4. **P. tuberosa**, Roxb. (W. et A. Prod. i. p. 356, cum syn.)—c.p. 3638.

HAB. South of the island.

26. "2. **Pavonia Zeylanica**, Cav." Adde: c.p. 3461.

HAB. Trincomalie, *Rev. S. O. Glenie*; Colombo, *Mr. W. Ferguson*. Et dele:

"I have not met," et seq. ad annotationis finem.

26. "HIBISCUS, Linn." Adde:

8. **H. lunarifolius**, Willd. (W. et A. Prod. i. p. 49, cum syn.)—c.p. 3634.

HAB. Doombura District.

9. **H. cannabinus**, Linn. (W. et A. Prod. i. p. 50, cum syn.)—c.p. 3833.

HAB. Near Trincomalie, *Rev. S. O. Glenie*.

27. "ABUTILON, Dill." Adde:

6. **A. crispum**, G. Don. (W. et A. Prod. i. p. 56, cum syn.)—c.p. 3646.

HAB. Colombo, *Mr. W. Ferguson*

Abutilon (Sulst., DC) *Leschenaultianum*, c.p. 3521, occurs as a weed in the Botanic Garden, but I have never found it truly wild.

30. Delo "6. **KYDIA**, Roxb." Et insere:6. **DICELLOSTYLES**, Benth.

Benth. et Hook. f. Gen. Plant. p. 207. Et adde.

1. **D. axillaris**, Benth. l. c.—*Kydia axillaris*, Thw. in hac Enum. p. 30.—c.p. 3126.

Petala pollicaria, oblonga, subspathulata, parum obliqua, ochraceo-rufescentia, versus basin rubra.

31. "CORCHORUS, Linn." Adde:

5. **C. fascicularis**, Lam. (W. et A. Prod. i. p. 72, cum syn.)—c.p. 3773.

HAB. Colombo, *Mr. W. Ferguson*.

6. **C. tridens**, Linn. (W. et A. Prod. i. p. 73, cum syn.)—c.p. 3791.

HAB. Trincomalie, *Rev. S. O. Glenie*.

31. "TRIUMFETTA, Plum." Adde:

1. **T. pilosula**, Thw.; erecta, ramis scabriusculis; foliis caulinis rotundatis, parum trilobis, grosse crenatis, sparse pilosulis, subtus pallidioribus, basi acutis, 3- vel sub-5-nerviis, floralibus lanceolatis, utrinque acuminatis; petiolo elongatulo; cymulis densis, oppositifoliis; sepalis linearibus, apice cucullatis mucronatisque, externe pilosis; petalis calyce æquilongis; staminibus circiter 6,

Page

filamentis glabris; ovario 4-loculari; capsula pilosula, echinulis suberectis, uncinatis, fere ad apicem arcute ciliatis.—c.p. 2901.

HAB. Trincomalie, Rev. S. O. Glenie.

31. "GREWIA, Juss." Adde:

8. *G. rotundifolia*, Juss. (W. et A. Prod. i p. 80, cum syn.)—c.p. 3785.

HAB. Trincomalie, Rev. S. O. Glenie.

33. "Dipterocarpus Zeylanicus, Thw." Adde: (c.p. 2398.)

34, lin. 10 ab imo. Dele: "*D. turbinatus*, Roxb., cultivated in Ceylon, is c.p. 2398."

34. "DOONA, Thw." Adde:

8. *D. macrophylla*, Thw.; glabra; foliis majusculis, oblongis, obtuse acuminatis, ad costam canaliculatis, basi rotundatis, petiolatis; paniculis axillaribus terminalibusque, apertis, folio subaequilongis; pedicellis calycem subaequantibus; calycis fructiferi (immaturi) laciniis obovato-oblongis.—c.p. 3713.

HAB. Hindoon Pattoo.

Arbor magna. Folia firma, 5-8 poll longa, 3 poll lata, minutissime parallelis venulosa, venis primariis utrinque circiter 13, petiolo $\frac{1}{2}$ 1 poll longo. Petala oblonga, $\frac{1}{2}$ lin longa, externae et internae margine superiore pilosa.

9. *D. ovalifolia*, Thw.; glabra; foliis ovalibus, obtuse rostrato-acuminatis, superne subvenosis, subtus costa venis primariisque prominentibus, basi rotundatis, petiolatis; paniculis axillaribus terminalibusque, racemiformibus, pinnatis, folio brevioribus vel subaequilongis; pedicellis calycem subaequantibus.—c.p. 3711.

HAB. Saifragam District.

Arbor magna. Folia (acumina $\frac{1}{2}$ lin longa) 1 $\frac{1}{2}$ -3 poll longa, $\frac{1}{2}$ 1 $\frac{1}{2}$ poll lata, venis primariis utrinque circiter 8, petiolo 3 lin longo.

10. *D. venulosa*, Thw.; glabra; foliis oblongis vel ovato-oblongis, obtuse rostrato-acuminatis, superne creberrime et valde prominentem venulosis, ad costam canaliculatis, basi sub-3-plumbeis, rotundatis, petiolatis.—c.p. 3675.

HAB. South of the island.

Arbor magna, ramulis nigrescentibus. Folia 2-3 poll longa, 1-1 $\frac{1}{2}$ poll lata, venis primariis utrinque circiter 7, petiolo 5-7 lin longo. Inflorescentiam nondum vidi.

35. "Doona affinis, Thw.," adde: (c.p. 3712).

36. "SHOREA, Roxb." Adde:

3. *S. lissophylla*, Thw.; glabra; foliis ovatis vel ovato-rotundatis, abrupte breviter rostratis, obtusis, basi latis, rotundatis vel subcordatis, petiolo brevi; panicula ramis glabris; pedicellis brevissimis et cum alabastris minute incano-pubescentibus.—c.p. 3407.

HAB. Hindoon Pattoo and Singhe-rajah Forest.

Arbor ingens, ramulis nigrescentibus. Folia 3-5 poll longa, $\frac{1}{2}$ -3 poll lata, venis primariis utrinque circiter 7, his cum costa superne parum depressis, subtus prominentibus, venulis inconspicuis, petiolo semipollicari, ruguloso. Panicula multiflora. Anthera barbata.

Page
36.

"HOPEA, Roxb." Adde:

2. *H. jucunda*, Thw.; glabra; *foliis* ovatis vel ellipticis, longe rostrato-acuminatis, obtusis, basi rotundatis vel parce angustatis, petiolatis, *venis* primariis utrinque 4 et subtus ad axillas sæpius glanduliferis; *paniculis* axillaribus terminalibusque, folio æquilongis vel longioribus; *corolla* externe albido-pilosa.—c.p. 3709.

Forma foliis minoribus.—c.p. 3710.

HAB. Hinidoon Pattoo, Pasdoon Corle, and Saffragam.

Arbor magna, *ramulis* teretibus, nigrescentibus. *Folia* 1½–5 poll. longa, 1–2½ poll. lata, *costa* *venis* primariisque subtus prominentibus, *venulis* parum conspicuis, *petiolo* 2¼–½ lin longo. *Flores* ut *H. discoloris* similissimi.

36. "VATERIA, Linn" Adde post descriptionem *V. Indicæ*:

Sect. 2.—*Stamma* 15, *biseriata* (*Stemonoporus*, Thw.).

2. *V. (Stemonoporus) Wightii*, Benth. in Benth. et Hook. f. Gen. Plant. p. 194.—*Stemonoporus Wightii*, Thw. in hac Enumeratione, p. 37.—c. p. 3415.

3. *V. (Stemonoporus) Gardneri*, Benth. l.c. *Stemonoporus Gardneri*, Thw. in hac Enum. p. 38.—c. p. 1920.

4. *V. (Stemonoporus) acuminata*, Thw; *foliis* lanceolatis vel oblongo-lanceolatis, reticulato-venulosis, gradatim (rarius subito) valde acumatis, basi rotundatis, longiuscule petiolatis; *paniculis* folio brevioribus, racemiformibus vel parce ramosis; *bracteis* minutis, deciduis, *calycis* laciniis ovato-lanceolatis.—c.p. 3595, 3687 (3174).

HAB. Madamahanevura, Ambagamowa, and Badulla districts.

Arbor magna, *ramulis* parce rucosis, rubro-nigrescentibus. *Folia* 4–7 poll. longa, ½–2 poll. lata, *venis* primariis utrinque 10–16, *petiolo* ½–1½ poll. longo. *Stipulae* falcato-lanceolatae, 3 lin longae, ½ lin late, cito decidue.

5. *V. (Stemonoporus) affinis*, Benth. l.c.—*Stemonoporus affinis*, Thw. in hac Enum. p. 38.—c. p. 2430.

6. *V. (Stemonoporus) lanceolatus*, Benth. l.c.—*Stemonoporus lanceolatus*, Thw. in hac Enum. p. 38.—c. p. 2658.

7. *V. (Stemonoporus) canaliculata*, Benth. l.c.—*Stemonoporus canaliculatus*, Thw. in hac Enum. p. 38.—c. p. 3413.

8. *V. (Stemonoporus) petiolaris*, Benth. l.c.—*Stemonoporus petiolaris*, Thw. in hac Enum. p. 38.—c.p. 3151.

9. *V. (Stemonoporus) rigida*, Benth. l.c.—*Stemonoporus rigida*, Thw. in hac Enum. p. 38.—c.p. 2615.

10. *V. (Stemonoporus) oblongifolia*, Benth. l.c.—*Stemonoporus oblongifolius*, Thw. in hac Enum. p. 38.—c. p. 2646.

11. *V. (Stemonoporus) reticulata*, Benth. l.c.—*Stemonoporus reticulatus*, Thw. in hac Enum. p. 38.—c.p. 3414.

12. *V. (Stemonoporus) nitida*, Benth. l.c.—*Stemonoporus nitidus*, Thw. in hac Enum. p. 39.—c.p. 3483.

Species dubia hujus Sectionis

13. *V. (Stemonoporus) Moonii*, Benth. l.c.—*Stemonoporus (?) Moonii*, Thw. in hac Enum. p. 39.—c.p. 1792.

Page

14. **V. (Stemonoporus) disticha**, Thw. ; *ramulis* teretibus, fulvo-tomentellis ; *foliis* coriaceis, oblongis, rostrato-acuminatis, ad costam canaliculatis, basi rotundatis, petiolatis ; *paniculis* axillaribus terminalibusque, glabris, *junioribus* imbricato-bracteatis ; *bracteis* majusculis, distichis, late ovatis, adpressae fulvo-pilosis.—c.p. 3707.

HAB. Hinidoon Pattoo and Pasdoon Corle.

Arbor ingens. *Folia* circiter 5 poll. longa, 1½-2 poll. lata, delicatule parallelum venulosa, venis primariis utrinque circiter 12, *petiolo* 4 lin. longo.

15. **V. (Stemonoporus) scabriuscula**, Thw. ; *ramulis* tomentoso-vel scabriusculo-lepidotis ; *foliis* oblongo-lanceolatis, acuminatis, superne glabris, ad costam canaliculatis, subtus (cum petiolo) scabriusculo-lepidotis vel subglabris, venis primariis numerosis, versus marginem arcuato-anastomosantibus ; *paniculis* axillaribus terminalibusque, tomentoso-lepidotis, *junioribus* bracteatis ; *bracteis* alternis, ovato-acuminatis.—c.p. 3708 (3452).

HAB. Hinidoon Pattoo and Pasdoon Corle

Arbor ingens. *Folia* 3-10 poll. longa, 1-2½ poll. lata, *petiolo* 6-7 lin. longo. *Stipulae* 5 lin. longae, 1 lin. latae, falcatae, cito deciduae. *Bractes* 3 lin. longae, tomentoso-lepidotae

Sect. 3.—*Stamina* 5, *uniserialia* (Monoporandra, Thw.).

16. **V. (Monoporandra) cordifolia**, Thw.—*Monoporandra*, hujus Enum. p. 39.—c.p. 2647.

17. (**V. Monoporandra**) *elegans*, Thw.—*Monoporandra*, hujus Enum. p. 39.—c.p. 371.

18. **V. (Monoporandra) lancifolia**, Thw.—*Monoporandra*, hujus Enum. p. 39.—c.p. 3412.

37.

Pro "6. **ISAUXIS**, Arn.," substitue:

6. **VATICA**, Linn.

Sect. *calycis fructiferi laciniae subaequalis* (Isauxis, Arn.).

1. **V. (Isauxis) Roxburghiana**, Benth. in Benth. et Hook. f. Gen. Plant. p. 192.—*Isauris Roxburghiana*, Wight, Illust. p. 88 ; Icon. Pl. Ind. Or. t. 26 —c.p. 604.

HAB. South of the island. Nom. vulg. "Mandora-gase."

2. **V. (Isauxis) affinis**, Thw. ; *foliis* oblongo-lanceolatis, acuminatis, utrinque glabris et prominentum crebre reticulato-venulosis, venis primariis utrinque 5-7, basi parum rotundatis, petiolatis ; *paniculis* axillaribus terminalibusque, *folio* brevioribus ; *pedunculi ramis* nigrescentibus parce, *pedicellis alohastrisque* dense pallide fulvo-lepidotis.—*Isauxis Roxburghiana*, hujus Enum. p. 37 (haud Wight).—c.p. 3416.

HAB. Hinidoon Pattoo and Pasdoon Corle.

Arbor ingens, *ramulis* nigrescentibus. *Folia* semipedalis, *petiolo* pollicari, nigrescente. *Calycis* laciniae acutissimae.

Ab hac specie *V. (Is.) Roxburghiana* differt *ramulis*, *petiolis* paniculisque pallidis lepidotisque, *foliis* plures venas primarias (utrinque circiter 10) habentibus et subtus lepidotis.

3. **V. (Isauxis) cordifolia**, Thw. ; glabra ; *ramulis* teretibus ; *foliis* nitidis, oblongo-vel ovato-lanceolatis, acuminatis, obscure et

Page

minute reticulato-venulosis, basi rotundato-cordatis, petiolatis; venis primariis utrinque circiter 7, ad axillas sæpe glanduliferis.—
c.p. 3726.

HAB. Atakalan Corle.

Arbor ingens. Folia 5-7 poll. longa, 2-3½ poll. lata, petiolo pollicari. Inflorescentiam nondum vidi.

40. Pro "1. **CLEYERA**, Thunb.," substitue:

1. **TERNSTROMIA**, Linn. f.

Cleyera, Thunb.

Et adde:

1. **T. gymnanthera**, Benth. in Benth. et Hook. f. Gen. Plant. p. 182.—*Cleyera gymnanthera*, W. and A., hujus Enum. p. 40.—
c.p. 778 (779).

2. **T. emarginata**, Benth. l.c.—*Cleyera emarginata*, Gardn.; hujus Enum. p. 40.—c.p. 782.

41. Pro "3. **SAROSANTHERA**, Korthals," substitue:

3. **ADINANDRA**, Jack

Sarosanthra, Korthals

Et adde:

1. **A. lasiopetala**, Benth l.c.—*Sarosanthra lasiopetala*, Thw. in hac Enum. p. 41.—c.p. 775 (776, 783)

42. Pro "7. **STEMONURUS**, Bl.," substitue:

7. **LASIANThERA**, P. de Beauv.

Stemonurus, Bl. (ex parte) *Urandia*, Thw

Et adde:

1. **L. apicalis**, Benth in Benth. et Hook. f. Gen. Plant. p. 350.—*Stemonurus apicalis*, Thw. in hac Enum. p. 43.—c.p. 2569.

44. Pro "8. **PLATEA**, Blume," cum syn., substitue:

8. **GOMPHANDRA**, Wall.

Platea, Miers, Thw. (nond Blume) *Stemonurus*, Miers (partim).

Et adde:

1. **G. axillaris**, Wall.—*Platea axillaris*, Thw. in hac Enum. cum syn.—c.p. 251 (762).

2. **G. coriacea**, Wight.—*Platea coriacea*, Thw. in hac Enum. cum syn.—c.p. 375.

44. "ATALANTIA, Corr." Adde:

2. **A. racemosa**, W. et A. Prod. i. p. 91; Oliver, in Linn. Soc. Journ. of Proc. v. Supp. ii. p. 24.—c.p. 3673.

HAB. Galagama, Gardner.

3. **A. Ceylanica**, Oliv. l.c. p. 25, cum syn.—*Sclerostylis Ceylanica*, Wight, hujus Enum. p. 46.—c.p. 1196.

Var. **B. rotundifolia**.—*Scl. rotundifolia*, Thw. in hac Enum. p. 46.—c.p. 3295.

4. **A. Missionis**, Oliv. l.c.—*Limonia Missionis*, Wight, hujus Enum. p. 45.—c.p. 1194.

Page

46.

"GLYCOSMIS, Corr"

Pro "*G. arborea*, DC.," et "*G. pentaphylla*, DC.," substitue:
G. pentaphylla, Corr. (Oliv. l. c. p. 37) — *G. arborea*, DC. — c. p.
 1192, 180. Et adde

Subvar. *longifolia*, Oliv. l. c., *foliis* saepius unisoholatis — c. p.
 3822.

HAB. Singhe-rajah Forest

45

"MURRAYA, König" Adde

3 *M. Gleniell*, Oliv. l. c. p. 29 — c. p. 3627

HAB. Triucomalie, *Rer. S. O. Glenie*

Ovarium 5 vel 4 loculare, *ovulis* solitariis vel geminis, superimpositis
 Ceteroquin *M. erodia* var. a, velle similis et fere in ejusdem varietas. *Oliv.*

3 *M. Königii*, Spr. (Oliv. l. c. p. 29) — *Bourea Königii*, Linn.,
 hujus Enum. p. 46 — c. p. 2547

47.

"CLAUSENA, Burm."

"*C. Willdenovii*, W. et A." Adde

Forma pubescens — *C. pubescens*, W. et A. hujus Enum. p. 47
 — c. p. 2546

Adde

3 *C. Indica*, Oliv. l. c. p. 36, cum syn. — *Pyttalyia Indica*,
 Kze. Misc. in p. 33 t. 2. *Bourea nitida*, Thw. in hac Enum.
 p. 46 — c. p. 2421, 1203

47

"PARAMIGNYA, Wight" Adde

2 *P. armata*, Oliv. l. c. p. 43 — *Arthronotcheis armatus*, Thw. in
 hac Enum. p. 47 — c. p. 1197, 3115

47 Dele "*Luvunga scandens*, Ham.," cum descriptione

48.

"GARCINIA, Linn." Adde

4 *G. Zeylanica*, Roxb. Fl. Ind. in p. 621

HAB. Ceylon, Roxburgh

Species mihi ignota, nisi, ut suspicio, forma est *G. Cambogia*.

5 *G. (Discostigma) terpnophylla*, Thw. — *Terpnophyllum Zey-*
lanicum, Thw. in hac Enum. — *Discostigma Zeylanicum*, Planchon
 et Triana, in Ann. des Sc. Nat. ser. 4, xiv. p. 364 — c. p. 2695

Var. *β acuminata*. — *Discostigma acuminatum*, Planch. et Triana,
 l. c. — c. p. 3400

50.

"MESUA, Linn."

"*M. ferrea*, Linn., var. a." adde ut synonym. *M. Walkeriana*,
 Planch. et Triana l. c. xv. p. 301 "Var. β," adde ut synonym. *M.*
sabinea, Planch. et Triana. l. c. p. 300

50. Pro "*M. speciosa*, Choisy" cum tota descriptione, substitue
 duas species sequentes.

2 *M. Thwaitesii*, Planch. et Triana l. c. p. 305. — *M. speciosa*,
 hujus Enum. var. a (haud 'hoisy) — c. p. 2675

HAB. Damp forests, especially on the banks of streams, in the
 Ambagamowa, Saffragam, and Hindoon districts.

Page

4. *M. sclerophylla*, Thw.; *foliis* valde coriaceis, subvenitis, lanceolatis vel oblongo-lanceolatis, acuminatis, subtus dense albo-pruinosis, basi rotundatis; *floribus* mediocribus, axillaribus terminalibusque, ad apicem pedunculi brevis (in meis specim.) solitariis; *calyce* glabro.—*M. speciosa*, var. β , hujus Enum.—c.p. 603.

HAB. Reigam Corle.

Arbor magna. *Folia* 3-4 poll. longa, $\frac{1}{2}$ -2 poll. lata, *petiolo* 2-3 lin. longo.

50. Pro "3. *M. Coromandelina*, Wight, Icones, t. 117; Illust. i. 127.—c.p. 3404," substitue:

3. *M. pulchella*, Planch. et Trian. l. c. p. 307.—*M. Coromandelina* hujus Enum. (haud Wight).—c.p. 3404.

50. "*Kaya stylosa*, Thw." Adde ut synonyma: *K. cuspidata*, Planch. et Trian. l. c. p. 296.

51. "CALOPHYLLUM, Linn." Adde:

10. *C. cordato-oblongum*, Thw.; *ramulis* tetragonis, glabris (*junioribus* cum petiolis pedunculisque tugaci-ferrugineo-pilosis); *foliis* oblongis, obtusis, basi parum angustatis, cordatis, brevipetiolatis; *paniculis* terminalibus, folio subæquilongis; *pedicellis* alabastrisque subæquilongis pallide fulvo-tomentosis, *sepalis* 4, 2 interioribus majoribus et petaloidis; *petalis* 4.—c.p. 3823.

HAB. Hundoon Pattoo. Floret Septembre.

Arbor mediocris. *Folia* 4-6 poll. longa, 2-3 poll. lata, venis parallelis utrinque parum prominentibus, *petiolo* 2-3 lin. longo. *Petala* orbicularia, semipollicaria.

51. Pro "2. *C. decipiens*, Wight, Illust. i. 128; Icones, t. 106.—c.p. 3403," substitue:

2. *C. Thwaitesii*, Planch. et Trian. in Ann. des Sc. Nat. ser. 4, xv. p. 260.—*C. decipiens* hujus Enum. (haud Wight).—c.p. 3403.

Anthera fere dimidio breviores quam in *C. decipiente*, Wight. *Pistilus* sphaericus.

51. "*C. cuneifolium*, Thw." In floribus hujus speciei, cl. Planch. et Triana 4-8 petala invenerunt.

53. "SALACIA, Linn." Adde:

5. *S. terminalis*, Thw.; arborea, glabra; *ramulis* rugosulis; *foliis* ovatis vel ellipticis, acuminatis, versus apicem remote serrulatis, basi parum acutatis, petiolatis; *paniculis* ad apices ramulorum, axillaribus terminalibusque, plurifloris, folio longioribus.—c.p. 3737.

HAB. Hikkudoowe, near Galle.

Arbor 30-pedalis, ramosissima. *Folia* 3-4½ poll. longa, 1½-3 poll. lata, superne sublevia, subtus reticulato-venosa, venis primariis utrinque circiter 6, *petiolo* semipollicari. *Pedicelli* alabastro duplo longiores. *Flores* 8-3½ lin. in expan. *Calycis* segmenta brevia, rotundata vel subacuta. *Petala* orbicularia, unguiculata, reflexa. *Stamina* 3, filamentis cum ovario connatis. *Fructum* novum vidi.

53. "*S. diandra*, Thw." Pro "*calycis segmentis* triangularibus," substitue: quam calycis segmenta triangularia.

Page
56.

SCHMIDELIA, Linn. Adde:

6. *S. varians*, Thw.—*S. allophylla*, var. β , hujus Enum. p. 55.
—C.P. 562.

A S. allophylla differt *foliis* minoribus, *racemis* multo longioribus, *bracteis* minutissimis et brevissime pilosis.

56. Adde: 3 a. **GLENNIEA**, Hook. f.
(Benth. et Hook. Gen. Plant. p. 404.)

1. *G. Seylanica*, Hook. f. l. c.

Var. α ; *foliis* bifoliolatis.—*Sapindus unijugus*, Thw. in hac Enum. p. 56.—C.P. 2465.

Var. β ; *foliis* 2-4-foliolatis.—*Nephelium fuscatum*, Thw. in hac Enum. p. 58. *Sap. Glenieri*, Thw. MSS.—C.P. 3676.

HAB. Var. α , Howahetti District, at an elevation of 3000 to 4000 feet. Var. β , Trincomalie, *Rev. S. O. Glenie*.

56. "*Hemigyrosa canescens*, Thw." Adde

Fructus subsphaericus, saepe abortu monospermus, tomentosus, ochraceus, pulposus, *epicarpio* pergamentaceo, *putamine* tenui, cartilagineo, interne adpresse piloso. *Semina* oblonga, testa tenui castanea. *Arillus* 0

57. Adde: 6 a. **POMETIA**, Forst.

Ima, Blume. *Eccremanthus*, Thw. in *hew Jour.*

1. *P. eximia*, Hook. f. in Benth. et Hook. Gen. Plant. p. 407. — *Nephelium eximium*, Thw. in hac Enum. p. 57, cum syn.—C.P. 1153.

6 b. **EUPHORIA**, Juss.

Hook. f. in Benth. et Hook. Gen. Plant. p. 406

1. *E. Longana*, Bot. Mag. t. 4000 — *Nephelium Longanum*, Camb., hujus Enum. p. 58, cum syn.—C.P. 1152.

2. *E. Gardneri*, Hook. f. l. c. — *Nephelium Gardneri*, Thw. in hac Enum. p. 58.—C.P. 1154.

58. "*Nephelium fuscatum*, Thw.," est *Glennia Seylanica*, Hook. f., var. β (vide supra). *Petala* minuta, decidua.

58. Pro "8. **PTERIDOPHYLLUM**, Thw.," substitue:

8. **FILICIUM**, Thw., Benth. et Hook. f.

Et hinc (p. 59) pro "*P. decipiens*, Thw.," substitue: *P. decipiens*, Thw.

NOTA. Genus *Filicium*, fide cl. Hook. f., ad *Bursaceae* recte, ut nunc censeo, referendum est.

59. "**MELIOSMA**, Blume."

Hoc genus, fide cl. Hook. f., ad **SABIACEAE** transferendum.
Vide Benth. et Hook. f. Gen. Plant. p. 414.

59. "**MELIA**, Linn." Adde:

2. *M. Asoderach*, Linn. (W. et A. Prod. i. p. 117, cum syn.)—
HAB. Near Batticalva, *Rev. S. O. Glenie*.

Fig.
80.

"**AMOORA**, Roxb." Adde: *

2. **A. Championii**, Hook. f. in Benth. et Hook. f. Gen. Plant. i. p. 335.—*Dysoxylon Championii*, Hook. f. et Thoms., hujus Enum. p. 61.—c.p. 1193.

60. "**Dysoxylon macrocarpon**, Blume, var. β ." Adde: c.p. 3596.

64. "**OXALIS**, Linn." Adde:

2. **O. sensitive**, Linn.—*Blrophytum sensitivum*, DC., et *B. nervifolium*, hujus Enum. p. 64.—c.p. 1190, 2784.

Var. β . *caule elongato, ramoso*.—*B. nudum*, Arn., et *B. proliferum*, var. β , hujus Enum. p. 64.—c.p. 6, 464, 2419.

Var. γ . *prolifera, foliolis minoribus*.—*B. proliferum*, Arn., hujus Enum. p. 64.—c.p. 2418.

HAB. Very abundant. Var. β and γ in the more elevated parts of the island.

Flores dimorphi. *Stamina* utriusque formæ 10, alterna filamentis multo brevioribus: *forma a, stylusa, stylis erectis elongatis, filamenta longa superantibus. forma b, staminea; stylis recurvis, filamenta breviora parum excedentibus.*

66. "**Impatiens Walkeri**, Hook." Adde, post "6000 feet": A variety with yellow flowers has been found at Happootelle, by Mr. W. H. Wright.

69. Adde: 1, 1. **EVODIA**, Forst.

1. **E. triphylla**, DC. Prod. i. p. 724.—*Xanthoxylon triphyllum*, Juss., hujus Enum. p. 69.—c.p. 638, 2501.

69. Pro "3. **CYMINOSMA**, Gært.," substitue:

3. **ACRONYCHIA**, Forst.

Jambolifera, Linn. *Cyminosma*, Gært. Et adde:

1. **A. pedunculata**, Walp. Rep. i. p. 523.—*Cyminosma pedunculata*, DC., hujus Enum. p. 69.—c.p. 1249.

70. "**Ocnea cordata**, Thw." Certe forma solum *O. squarrosa*, Linn., et, ut species, delenda.

72. "**KURRIMIA**, Wall., Arnott." Adde, ut synonyma:

Pyrospermum, Miq.

72. Pro "5. **CATHA**, Forsk.," substitue:

5. **GYMNOSPORIA**, W. et A., Benth. et Hook. f.

Catha, Radl. (non Forsk.). Et adde:

1. **G. emarginata**, W. et A. Prod. i. p. 160.—*Catha emarginata*, G. Don, hujus Enum. p. 72.—c.p. 1235.

2. **G. frutescens**, Hook. f. in Benth. et Hook. f. Gen. Plant. p. 335.—*Catha frutescens*, Thw. in hac Enum. p. 72.—c.p. 8396.

Pro "2. *BRECHOMIA*, Nees," substitue:

2. *SAGINETIA*, Brongn. Et adde:

1. *S. affinis*.—*S. costata*, Miq. Fl. Ind. Bat. i. p. 645. *Rhamnus affinis*, Blume, Bijl. p. 1140 (fld. Miq. l. c.) *Berchemia parviflora*, hujus Enum. p. 74 (haud Wall.).—c.p. 2477.

76. "*Semecarpus Gardneri*, Thw." Dele "2940."

76. "*Semecarpus obscura*, Thw." Adde: c.p. 2940; et

"*A. S. Gardneri*, Thw., foliis magis coriaceis et drupis erectis nec valde obliquis praeipue differt."

76. "*Semecarpus oblongifolia*, Thw." Adde:

Var. β . *nigro-viridis*; floribus drupisque majoribus.—*S. nigro-viridis*, Thw. in hac Enum. p. 76.—c.p. 631, 244 (641, 2596).

Var. γ . *acuminata*; foliis drupisque acuminatis.—*S. acuminata*, Thw. in hac Enum. p. 76.—c.p. 2676.

78, 79. Genera "*PROTIUM*, Burm.," "*CANARIUM*, Linn.," et "*SCUTINANTHE*, Thw." (ut *CANARII* Sectio), fide cl. Benth. et Hook. f., ad *BURSERACEAS* transferenda.

79. Pro "1. *BLACKWELLIA*, Comm.," substitue:

1. *HOMALIUM*, Jacq.

Sect. *Blackwellia* Et adde

1. *H. Ceylanicum*, Benth. in Linn. Soc. Journ. of Proc. iv. p. 35. —*Blackwellia Ceylanica*, Gardn., hujus Enum. p. 79.—c.p. 388.

80. Adde: 3. *ELLIPANTHUS*, Hook. f.

Benth. et Hook. f. Gen. Plant. p. 434.

1. *E. unifoliolatus*, Hook. f. l. c.—*Connarus unifolius*, Thw. in hac Enum. p. 80.—c.p. 2443.

81. *CROTALARIA*, Linn. Adde:

23. *C. triquetra*, Dalz. in Hook. Journ. of Bot. ii. (1850), p. 34. —c.p. 3832.

HAB. *Peradenia*, rare.

81. "*C. evolvaloides*, W. et A." Adde. c.p. 3593.

81. Dele "5. *C. bifaria*, Linn.," cum descriptione tota, et in ejus loco insere:

5. *C. globosa*, Wight. (W. et A. Prod. i. p. 190; Walp. Rep. i. p. 567.)—c.p. 3736.

HAB. *Trincomalee*, *Rev. S. O. Glenie*.

82. "*C. striata*, DC." Pro "c.p. 3606," substitue: c.p. 3816, et adde: Var. β ; foliis firmioribus, acutis; racemis minus elongatis; semibus majoribus.—c.p. 3606.

HAB. *Colombo*, *Mr. W. Ferguson*; var. β , common in the *Kan-*
dan district.

Lepanthes pendula, breviter stipitata, glabra, cylindrica, parvis foliis clausis; semibus numerosis 20-40, levibus, nitidis, pallide brunneis.

~~SPERMATOPHYTES~~
"INDIGOTERA, Linn." Adde:

13. *I. pentaphylla*, Linn. (W. et A. Prod. i. p. 200, cum syn.)—
 —C.P. 3524.

HAB. Near Colombo, Mr. W. Ferguson.

14. *I. tinctoria*, Linn. (W. et A. Prod. i. p. 202, cum syn.)
 Wight, Ic t 365.)—C.P. 3591.

HAB. Hotter parts of the island.

83. Pro "*I. cuneaphylla*," substitute *I. cuneaphylla*.

83. "*I. floccida*, Koenig" Adde:

Var. β . *constricta*, robustior, foliis majoribus, saepius 9-foliolatis;
calycis segmentis brevioribus, acutis, nec subulatis; *legumine* cras-
 siore, suberecto, curvato, parum tetraquetra, marginibus parum
 incrassato, 4-6-spermo, inter semina constricto, *seminibus* majori-
 bus. An *I. Kleinii*, W et A ?—C.P. 3811

HAB. Matelle, East.

84. "TEPHROSIA, Pers." Adde.

7. *T. spinosa*, Pers. (W et A. Prod. i. p. 214, cum syn.)

HAB. North of the island, Mr. W. Ferguson.

85. "*Uraria crinita*, DC" Adde

In hortis culta, vix indigena.

86. "DESMODIUM, DC" Adde:

13 *D. jucundum*, Thw., fruticosum, ramulis junioribus,
petiolis foliisque subtus albido-sericeis, foliis pinnatis trifoliolatis;
foliolis firmis, ellipticis vel obovatis, retusis, mucronulatis, *venis*
primariis utrinque 6-14, subtus prominentibus, *racemis* terminali-
 bus, plurifloris, saepe valde elongatis, *pedicellis* geminis; *calycis*
segmentis acuminatis, ciliatis, *legumine* lineari, complanato, parum
 constricto, rostrato, circiter 4-spermo, pilosulo, prominentium reticu-
 lato, articulis dimidio longioribus quam latis —C.P. 3778

HAB. Lakkaigalla and Ettangwella in the Matelle District, A.
 Oswald Brodie, Esq.

Fruites 3-4-pedalis, ramis rubro-nigrescentibus. *Folia* petiolo pollicari,
foliolis 1-5 $\frac{1}{2}$ poll longis, $\frac{3}{4}$ -1 $\frac{1}{2}$ poll. latis, petiolulo 1-2 lin longo *Stipulae*
 late lanceolatae, acuminatae, pilosulae, basidatæ obliqueque, 5 lin longæ *Sti-*
pella subulata, 1-2 lin longæ *Pedunculis* tomentelli *Pedicellis* 4 lin longi,
 pilosi. *Petala* rubro-purpurea *Legumen* $\frac{3}{4}$ -1 poll longum, 1 $\frac{1}{2}$ lin latum.

A *D. concinno*, DC, cui valde similis, hæc species differt ramulis folisque
 magis sericeis et his firmiteribus, latioribus retusisque.

14. *D. Gangeticum* DC. (W. et Arn. Prod. i. p. 225, cum syn.)
 —C.P. 3813.

HAB. Matelle, East.

87. "*D. polycarpon*, DC., var. β ." Adde, ut synonyma: *D. trichocaulon*, DC.

88. Adde: 21/1. **HEDYSARUM, Jacume.**

1. *H. mucronatum*, Blume, Cat. Brit. p. 99; Walp. Rep. i.
 p. 242.—C.P. 3544.

HAB. Hathoongodde, in the Maturatte District; a common weed in the Botanic Garden.

21/2. **ELNIOTIS**, DC.

1. *E. serotia*, DC. Prod. ii. p. 348; W. et A. Prod. i. p. 231, cum syn.—C.P. 3765.

HAB. Near Colombo, *Mr. W. Ferguson*.

87. "ALYSICARPUS, Neck." Adde:

5. *A. menilifer*, DC. (W. et A. Prod. i. p. 232, cum syn.)—C.P. 3813.

HAB. Near Colombo, *Mr. W. Ferguson*.

6. *A. longifolius*, W. et A. l. c. p. 233, cum syn.—C.P. 3814.

HAB. Near Colombo, *Mr. W. Ferguson*.

88. Adde: 29/1. **DIOCLEA**, H. B. K.

1. *D. Fergusonii*, Thw.; alte scandens, molliter fulvo-pubes-
cens; *foliis* ovatis vel ovato-lanceolatis, obtusiusculis, mucronatis,
basi rotundatis, lateralibus parum obliquis; *stipulis* auriculiformi-
bus, medio affixis glandulosisque, superne lanceolatis, acutis; *pani-*
culis racemiformibus, multifloris, elongatis, ramis brevibus 2-3-
floris apice incurvatis glandulosi; *bracteis* longiusculis, anguste
lanceolatis, sulcatis, recurvis; *legumine* majusculo, 1-3-spermo, su-
tura superiore anguste bialata; *seminibus* orbicularibus, complana-
tis, hilo lineari et valde elongato.—C.P. 3817.

HAB. Near Colombo, *Mr. W. Ferguson*.

Folia (cum *petiolo* 2-3 poll. longo) 9-12 poll. longa. *Petiola* 4-6 poll.
longa, 2½-5 poll. lata, *petiolo* circiter 2 lin. longo. *Stipula* 3-4 lin. longa.
Flores pollicares. *Calyx* lacina superiore lata, ad apicem bifida, lateralibus
acutis, falcatis, inferiore parum longiore et apice retusa. *Bracteolæ* 2, ad basin
calycis, parvæ, rotundatæ. *Petala* pallida, violacea. *Ovarium* pilosum, 2-3-
ovulatum. *Stigma* parvum, parum dilatatum. *Discus* brevis, tubulosus, mar-
gine 10-crenato. *Legumen* oblongum, subfalcatum, 5-6 poll. longum, 3 poll.
latum, sparse pilosum. *Semina* 11-14 lin. in diam., castanea, hilo nigro.

89. "PHASEOLUS, Linn." Adde:

7. *P. calcaratus*, Roxb. Fl. Ind. iii. p. 289; W. et A. Prod. i. p.
245.—C.P. 1473.

HAB. Very abundant in the Central Province.

89. "*P. radiatus*, Linn." Pro "C.P. 1473," substitue: C.P. 3632, et
pro:

"HAB. Very abundant up to an elevation of 2000 feet," sub-
stitutus:

HAB. Trincomalie, *Rev. S. O. Glenis*.

90. "*Dunbaria Heynei*, W. et A." Ante "*D. oblonga*," insere: ?.

91. "RHYNCHOSIA, Lour." Adde:

4. *R. villosula*, Thw.; volubilis, glanduloso-hirsutula; *foliis*
pinnatis 2-foliolatis; *foliolis* late trapezoidis, acuminatis, basi
angustis, truncatis vel subcordatis, lateralibus externe dilatatis; *sti-*

petalis parvis, coloratis, trapezoides, acuminatis; *racemis* axillaribus, plurifloris, folio longioribus; *bracteis* quam pedicelli breves parum longioribus, rotundatis, acutis, basi angustatis; cito deciduis; *calyce* lobo supremo latiore, infra medium bifido; *corolla* quam calyx duplo longiore; *carina* falcata, erectellata; *stylo* versus apicem incrassato, albido, nitido.—c.p. 3790.

HAB. Trincomalie, Rev. S. O. Glene.

Foliola 1-2 poll. longa. *Pedicelli* solitarii. *Flores* semipollicares. *Calycis* ad medium fissus, lobis lateralibus et infimo paullo longiore lanceolatis, acutis. *Corolla* ochracea, vexillo piloso, rubro-lineato, ad basin laminae biariculata, alis falcato-auriculatis, margine inferiori dente parvo munito. *Ovarium* biovulatum, flavo-villosum. *Legumen* (immaturum) oblongum, acutum.

5. *D. acutissima*, Thw., volubilis, breve fulvo-tomentosa, foliis pinnatum trifoliolatis, foliolo terminali trapezoideo-lanceolato, lateralibus parum minoribus, externe dilatatis, ovato-lanceolatis et cum terminali, acutissime acuminatis; *stipulis* lanceolatis, deciduis; *racemis* folio subæquilongis; *pedicellis* geminis, calyce longioribus; *bracteis* lanceolatis, acuminatis, ciliatis, calyce subæquilongis, cito deciduis; *calycis* lobo supremo latiore, ad apicem bifido laciniis divaricatis, lateralibus, cum infimo dimidio longiore, lanceolatis, acutis; *corolla* quam calyx subduplo longiore, *carina* falcata, erectellata.—c p. 3445

HAB. Hantani, in the Central Province, at an elevation of 3000 feet.

Foliola 2-5 poll. longa. *Pedicelli* 4 lin. longi. *Flores* semipollicares. *Corolla* ochracea, rubro-lineata, vexillo biariculato, versus apicem piloso, retuso, alis falcato-auriculatis, margine inferiore dente parvo acuto munito. *Ovarium* 2-ovulatum, longe albido-pilosum.

Hæc, et species præcedens, *Dunbaria* valde proxima, sed bracteas magnas illius generis egent

92.

"DERRIS, Lour."

Pro "*D. ovalifolia*, Benth., var.," cum descriptione tota, substituo.

3. *D. oblonga*, Benth. in Linn. Soc. Journ. of Proc. iv. supp. p. 113, cum syn.—c p. 1493.

HAB. Central and Southern Provinces.

Adde species sequentes

4. *D. scandens*, Benth. l. c. p. 103, cum syn.—*Brachypterum scandens*, W. et A., hujus Enum. p. 93.—c.p. 1492.

5. *D. parviflora*, Benth. l. c. p. 105.—*Brachypterum elegans*, Thw. in hac Enum. p. 93 (non *Derris elegans*, Benth.).—c.p. 2508.

6. *D. Benthamii*, Thw.—*D. paniculata*, Benth. l. c. *Brachypterum Benthamii*, Thw. in hac Enum. p. 93.—c.p. 2925.

94. "*Dalbergia monosperma*, Dalsell." Adde:

HAB. Belgam Corle.

94. Adde: 52/1. PERICOPSIS, Thw., nov. genus.

Calycis campanulatus, in stipitem brevem attenuatus, demum prope basin circumscissus caducus, 4-fidus, lobis acutis subæqualibus

aequilongis, supremo breviter bilobis reflexo, lateralibus parum caulis inflexo erecto connatis. *Petala* unguiculata, subaequilonga, corollae orbiculari, reflexae; alia oblongis, auriculatis, margine inferiore dente minuto mucronato, corollae petalis dorso versus apicem parum coherentibus, cum aliis conformibus. *Stamina* 10, *filamentis* liberis glabris, 5 paullo brevioribus. *Discus* brevis, vaginans, truncatus. *Ovarium* stipitatum, circiter 6-ovulatum. *Stylus* gradatim attenuatus, apice incurvus. *Stigma* parvum. *Legumen* stipitatum, compressum, coriaceum, indehiscens, utraque sutura anguste marginata, apiculatum, 1-6-spermum, inter semina parum spongiosum, saepe abortu seminum sinuatum, demum in articulis monospermis solutum. *Semina* oblique ovalia, compressa, hilo parvo.—*Arbor* *ingens*; foliis *pinnatis*; foliolis *alternis, majusculis*; paniculis *terminalibus*.

1. *P. Mooniana*, Thw.—*Dalbergia Mooniana*, Thw. in hac Enum. p. 93, cum syn.—c. r. 439.

HAB. South of the island, at no great elevation.

Flores pollicares *Calys* 7 lin longus *Petala* atro-purpurea, basi flavo-
viridis *Bractea* cito decidua, et eas nondum vidi

94. "*Sophora violacea*, Thw." Adde ad finem descriptionis post
"rubra." denique brunnea.

95. "CAESALPINIA, Linn."

Dele "3. *C. mimosoides*, Lam," cum descriptione, et in ejus
loco mace:

3. *C. Glenieii*, Thw; inermis, ferrugineo-tomentella; *foliis*
abrupte bipinnatis, *pinnis* circiter 10-jugis, *pinnulis* parvis circiter
15-jugis, sessilibus, oblongis, utrinque pilosulis, apice rotundatis,
subretusis, obscure mucronulatis, basi obliquis, latis, parum rotunda-
tis; *racemis* plurifloris, *pedicellis* quam alabastra brevioribus; *flo-
ribus* majusculis; *sepalis* *petalisque* externe plus minus ferrugineo-
pilosis; *filamentis* ad basin ferrugineo-villosis, superne glaberrimis;
ovario, cum ejus stipite, dense ferrugineo-tomentoso; *style* basi pi-
losulo; *stigmatibus* majusculis, subreniformi.—c. r. 3815.

HAB. Trincomalee, Rev. S. O. Glenie

Pinna 2-2½ poll longae *Pinnula* 3 lin. longae, 1½ lin. latae, ueritate ni-
grescentes *Flores* 1½ poll. in exp., saepe-flavi.

96. Adde: 65/1. MEZONEURUM, Desf.

1. *M. cuneaphyllum*, W. et A. Walp. Ann. iv. p. 591, cum syn.
—*Caesalpinia cuneaphylla*, Roxb. Fl. Ind. ii. p. 303. *Caesalpinia*
mimosoides, hujus Enum. p. 95 (non Lam.).—c. r. 3001 (3784 par-
tim).

HAB. Not uncommon in the hotter parts of the island.

97. "*Caesalpinia mimosoides*, Linn., var. γ," pro "petallo" inere:
paullo.

98. Adde: 63/1. DETARIUM, Juss., DC.

1. *D. Meyenianum*, Thw.; glabrum; *foliis* *pinnatis*, *foliolis* 3-6
(saepissime 6), alternis vel suboppositis, ovatis vel oblongis, acumi-
natis, obtusis, basi parum obliquis, rotundatis, subtus pallidioribus,

opacis, minutissime reticulatis; racemis terminalibus, plurimis
 sparse pilosis, folio subaequilongis vel brevioribus.—C.P. 3714
 HAB. Galpatta, near Calura.

Arbor laevis. *Folia* 2-6 poll. longa, petiolo 2 lin. long. *Pedicelli* 2
 lin. longi, medio minute bibracteolati. *Florae* conferti *Sepala* 2 lin. longa,
 rotundata, persistentia. *Stamina* 10, *filamentis* alternis brevioribus, *antheris*
 rotundis. *Ovarium* stipitatum, pallide fusco-tomentosum, 3-4-ovulatum. *Stylus*
 filiformis, glaber *Stigma* parvum *Legumen* (immaturum) oblongum, parum
 salicatum, complanatum

99. "ACACIA, Willd." Adde:

8. *A. Arabica*, Willd. (W et A. Prod 1. p 277, cum syn.)—C.F.
 3640.

HAB. Trincomalee, Rev S. O. Glenio

103. "COMBRETUM, Loffl." Adde

2 *C. sarcopterum*, Thw ; scandens ? *ramulis* teretibus ; *junc-
 toribus*, *petioli* *pedunculis*que brevissime ferrugineo-hispidulis et
 cum *foliis* *subtus*, creberrime glanduloso-lepidotis, *foliis* integris,
 oblongo-lanceolatis, obtusiusculis, basi rotundatis, superne laevibus,
 subtus prominenti venosis, *petiolo* brevi, *spicis* axillaribus, sum-
 micibus, folio brevioribus, *fructu* latiuscule 4-alato, alis oblongis,
 utrinque angustatis, carnosus, versus marginem parum incrassatus,
 —C.P. 3716

HAB. Reigam Corle

Folia 3-7 poll longa, 1½-2½ poll lata, *venis* *primariis* utrinque circiter 15,
secundariis parallelis parum distantibus *petiolo* 3 lin longo *Fructus* 2
 poll. longus, ½ poll latus, glanduloso-lepidotus *Florae* nondum vidi

110. "MEMECYLON, Linn." Adde

8/1. *M. rabro-caeruleum*, Thw , arboreum, glabrum ; *foliis*
 medioeribus, obovatis, cuneato-ovatis, versus apicem parum angus-
 tatis, retusis, subtus pallidioribus, brevipetiolatis ; *pedunculis*
 solitariis vel binis, umbellam compositam, glomeratam, aequilon-
 gam gerentibus, *pedicellis* calyce dimidio longioribus, *calyce*
 aperte campanulato, obscure 4-dentato —C.P. 3809.

HAB. Matello, East.

Arbor 30-pedalis. *Folia* 1½-3 poll. longa, ½-1 poll. lata, juniora rufes-
 centia. *Pedunculo* 3 lin. longi. *Calyx* rufescens. *Petalis* caeruleis, margine
 pallide.

13/1. *M. procerum*, Thw. ; arboreum, glabrum ; *foliis* majus-
 culis, ovato-lanceolatis, gradatim acuminatis, ad costam canalicu-
 latis, *venis* *primariis* vix conspicuis, subtus pallidioribus, basi ro-
 tundatis vel parum angustatis ; *petiolo* superne sulcato ; *peduncu-
 lis* *pedicellis*que nullis vel subnullis ; *baccis* sphaericis, calyce (hoc
 genere) majusculo coronatis.—C.P. 3347.

HAB. Pasdoon Corle.

Arbor 30-40-pedalis. *Folia* 6-10 poll. longa, 1½-5 poll. lata, *petiolo* 3-5
 lin. longo. *Calyx* 3 lin. in circ.

111. "M. jambonoides, Wight." Dels: "3347."

114

"*M. parvifolium*, Thw." Adde:

Forma foliis majoribus (1-2 poll. longis) abrupte brevi-acuminatis, obtusis.—*M. Thomsoni*, Thw. MSS.—c.p. 758.

HAB. Rambodda, at an elevation of 4000 to 5000 feet.

114.

"*EUGENIA*, Linn" Adde:

2/1. *E. xanthocarpa*, Thw.; ramulis junioribus gemmisque ferrugineo-pilosis; foliis elliptico-lanceolatis, obtuse acuminatis, glabris, basi acutis, superne ad costam canaliculatis, ad venas primarias prominentibus; pedicellis axillaribus, fasciculatis, ferrugineo-pilosis, petiolo subaequilongis, bacis 1-4-spermis, subsphaericis, ferrugineo-pilosis, minute glanduloso-verrucosis.—c.p. 3834 (3623 partim)

HAB. Near the coast, between Galle and Colombo.

Arbor humilis Folia 2½-4 poll. longa, 1-1½ poll. lata, petiolo 3 lin. longo Bacca 3-6 lin. in diam. ochracea

Ab *Eug. terpnophylla*, Thw., differt venis primariis numerosioribus, his subtus minus prominentibus et propius marginem anastomosantibus, et bacis ochraceis, saepius 2-4 spermis.

2/2. *E. rufo-falva*, Thw., ramulis junioribus gemmisque breve rufo-vel fulvo-pilosis, foliis lanceolatis, longe acuminatis, acutis, superne glabris, nitidis, ad costam canaliculatis, subtus brevi rufo vel fulvo tomento adpresso tectis, denique subglabris, pedicellis axillaribus, fasciculatis, petiolo subaequilongis.—*E. terpnophylla*, var. β , Thw. in hac Enum. p. 114.—c.p. 3835.

HAB. Gattehatte, near Avishaville

Arbor 30-40-pedalis. Folia (cum acumine) 4-5 poll. longa, 1-1½ poll. lata, petiolo semipollinari

Differt ab *Eug. terpnophylla*, foliis subtus pilosis, et venis primariis prope marginem anastomosantibus.

9/1. *E. insignis*, Thw., arborea; partibus junioribus fugacilbo-villosis, foliis majusculis, glabris, oblongis, acuminatis, superne laevibus, ad costam canaliculatis, subtus pallidioribus, venis primariis utrinque circiter 12, prominentibus, procul a margine anastomosantibus, areolis laevibus subevenis, floribus axillaribus ramisque, paucis, sessilibus, parvis, calyce externe albo-villoso, segmentis oblongis, bacis sphaericis albo-villosis vel floccosis.—c.p. 3677.

HAB. Galpara, in the Rengam Corle

Arbor humilis, ramosa. Folia 6-8 poll. longa, 2-3½ poll. lata, basi parum acuta, petiolo 6-8 lin. longo. Calycis segmenta 2 lin. longa. Petala calycis parum longiora, ciliata.

11. *E. coccinea*, Thw.; arborea; partibus junioribus pilosis; ramulis teretibus, foliis firmis, parvisime pilosis, denique glabris, ovatis, subabrupte acuminatis, obtusis, basi parum acutatis, venis primariis utrinque 12-16 prope marginem anastomosantibus, areolis obscure venoso-reticulatis; petiolo brevi; pedicellis axillaribus, fasciculatis, petiolo duplo longioribus; floribus parvis; bacis sphaericis, glabris, nitidis.—c.p. 3602.

HAB. Ambaganowa District.

Folia 3-5 poll. longa, 1½-2½ poll. lata, petiolo 2-3 lin. longo. Bacca coccinea, 6 lin. in diam.

Page

114. "*Eugenia ternstroemia*, Thw." Adde ad descriptionem:
Folia membranacea, obscure reticulatim venulosa, venis primariis utrinque 5-8, subtus prominentibus, procul a margine anastomosantibus. *Bacca* sphaerica, saepius monosperma.
 Delo "var. β ," et sequent. ad "rufo-pilosia."
116. Pro "1. *Syzygium caryophyllifolium*, DC.," cum descriptione, substitue:
 1. *S. Jambolanum*, DC. (W. et A. Prod. i. p. 329, cum syn.) —C.P. 3644.
 Var. β . *microcarpum*. — *S. caryophyllifolium*, DC. —C.P. 1584.
 HAB. Not uncommon in the warmer parts of the island.
116. Pro "2. *Syzygium polyanthum*," cum sequent ad "p. 16?," substitue
 2. *S. nervosum*, DC. Prod. iii p. 260; Wall. Cat. no. 3551 B.
 Et adde:
 Haec species differt ab *Eugenia polyantha*, Wight, et *E. balsamea*, Wall., paniculis majoribus et pedicellis subnullis.
116. Pro "4. *Syzygium montanum*," cum tota descriptione, substitue:
 4. *S. firmum*, Thw.; arborea, glabra; *foliis* majusculis, coriaceis, nitidis, obovatis, abrupte et brevissime acuminatis, obtusis vel retusis, utrinque prominentim subparallele plurivenosis, basi angustatis, petiolatis, *paniculis* ad apices ramulorum axillaribus terminalibusque, folio brevioribus vel subaequilongis; floribus (pro hoc genere) majusculis; *calyce* in brevem pedicellum attenuato, segmentis brevibus, rotundatis, *petalis* distinctis — *Eugenia firma*, Wall. Cat. 3603 A —C.P. 2694.
 HAB. Ambagamowa District.
Arbor magna. *Folia* 4-8 poll. longa, 3 3/4 poll. lata, *petiolo* 1/2-1 poll. longo. *Calyx* (cum pedicello) 1/2 poll. longus, 4 lin. latus.
 Differt ab *Eugenia montana*, Wight, foliis floribusque multo majoribus.
122. Adde 4 a *NESSEA*, Comm.
 1. *N. triflora*, H. B. K. (W. et A. Prod. i. p. 307, cum syn.) —C.P. 1541.
 HAB. Ceylon, Walker (*Herb. Hook.*).
124. "*Melothria deltoidea*, Thw." In descriptione, pro "digitata" lege: sagittata.
126. "*LUFFA*, Tourn." Adde.
 3. *L. amara*, Roxb. (W. et A. Prod. i. p. 343, cum syn.; Naudin in Ann. des Sc. Nat. ser. 4, xii. p. 123) —C.P. 1623.
 HAB. North of the island, Gardner; Trincomalie, Rev. S. O. Glenie.
Semina multo minora quam in *L. acutangula*.
128. "*Begonia subpeltata*, Wight." Adde:
Folia viridia vel aliquando nigro-cuprea.
129. "*Kalanchoe laciniata*, DC." Adde C.P. 3836.
 HAB. Matello, East.

Page

130. "*Vahlia oldenlandioides*, Roxb." Post "c.p. 1686," adde: 1687.

130. Dele "2. *Vahlia viscosa*, Roxb.," cum descriptione.

132. "*Hedera Vahlh*, Thw." In descriptione, pro "*balsamiflora*," lege: *balsamiflua*.

133. "LORANTHUS, Linn." Adde:

12 a. *L. lonchiphyllus*, Thw., *ramulis teretibus; foliis coriaceis, glabris, pennivenis, ovato-lanceolatis, gradatim acuminatis, costa venis primariisque conspicuis, basi rotundatis; petiolo brevi, parce alato; pedunculis axillaribus, 1- vel 2-nis, brevibus, flores circiter 7, subcymosos, brevipedicellatos gerentibus; calyce cylindrico, truncato, unibracteolato; corolla longiuscula, parum curvata, medio dilatata, irregulariter fissâ, baccis ovoides* - c. p. 3678.

HAB. Ambagamowa District

Folia 4-6 poll longa, 1½-2½ poll lata, *petiolo* circiter 3 lin longo. *Inflorescentia* plus minus ferrugineo leprosa. *Pedunculi* 2 lin longi. *Pedicelli* ½ lin longi. *Calyx* 1 lin longus. *Bracteola* subacuta, apice parum fimbriata vel denticulata, calyce dimidio brevior. *Corolla* sesquipollicaris. *Baccæ* ½ poll longæ.

134. "*Loranthus Neilgherrensis*, W et A." pro "1648," substitue: 1646.

136. "VISCUM, Tourn." Adde

6. *V. floccosum*, Thw., *ramosissimum, partibus junioribus, inflorescentia folisque subtus pilis ramosis ochraceo-floccosis, ramulis teretibus, striatis, foliis trinerviis, late ovatis vel rotundatis, parum acuminatis, obtusis, basi rotundatis, in petiolum brevem angustatis; floribus paucis, terminalibus, monocis, verticillato-apicatis. FLORE MARC. antheris subsessilibus, erectis, 8-locellatis, poris dehiscentibus* — *Notolixos (?) floccosus*, Oliv. in Linn Soc Journ of Proc vii p 104 — c. p. 3654

HAB. Hindoou Pattoo, abundant, Kokool Corle

Folia ½-1½ poll longa, *petiolo* 2-3 lin longo. *Spice* breves. *Flores* minuti, ½ lin in exp. interne glabri, perianthi lobis 4 vel rarius 3 triangularibus, aculis. *FLORE FORM.* *Stylus* conicus a basi lata subplana quadrangulari, brevis, apice parum dilatatus, stigmatosus. *Baccæ* ovoides, albæ, 2 lin longæ, lobis perianthi coronatæ.

136. "*Viscum spatulifolium*, Thw." Adde, ut synonyma: *Gnallia (?) spatulifolia*, Oliv. l. c. p. 103

138. "*Uncaria Gambier*." Pro "Hunt.," substitue: Roxb.

139. "8. AXANTHES, Blume" Substitue:

8. UROPHYLLUM, Jack., Wall.

Axanthes, Blume. Et adde

1. *U. Zeylanicum*. — *Axanthes Zeylanica*, Wight, hujus Enum. p. 139. — c. p. 499 (707).

Page

2. *U. ellipticum*.—*Axanthus elliptica*, Wight, hujus Enum. p. 139.—C.P. 359 (584).

Florae hujus et speciei praecedentis albidæ, *laccæ* aurantiacæ.

139. "OPHIORRHIZA, Linn." Adde:

8. *O. decumbens*, Gardn. MSS.; suffruticosa; *caule* scabrello, basi decumbente radicante; *foliis* lanceolatis vel ovato-lanceolatis, utrinque acuminatis; *stipulis* brevibus, setaceo-cuspidatis, interne glandulosis; *corymbis* terminalibus, pedunculatis, scabrellis; *bracteolis* parvis, angustis, *pedicellis* calyce brevioribus; *corolla* quam calyx 3-4-plo longiore, *capsula* late triangulari, angulis subacutis —C P 3656

HAB. Common in the Central Province

Differt ab *A. nemorosa*, Thw., cui valde similis, *pedicellis* floribusque brevioribus, et *capsula* latius et acutius ad latera producta, ab *O. Mungos*, Linn., caule suffruticoso et floribus longioribus satis distincta

140. "HEDYOTIS, Lam." Adde

18 a. *H. cinereo-viridis*, Thw., suffruticosa, subglabra, ramulis parum tetragonis; *foliis* lanceolatis, utrinque acuminatis, petiolatis, venis primariis subtus parum prominentibus; *stipulis* triangularibus, bicarinatis, parum connatis, omnino vel ad carinas pilosis, ad apicem plus minus rostrato-productis glandulosisque; *floribus* glomeratis, brevipedicellatis, axillaribus vel ramulos breves terminantibus, *calyce* campanulato, 4-lobato; *lobis* acutis, brevibus vel longiusculis, *corollæ tubo* quam calyx longiore, interne piloso, *lobis* longiusculis, linearibus, subacutis, glabris.—C.P. 95 (98).

Var β . *foliis* majoribus, *stipulis* longius rostratis, *floribus* omnibus axillaribus, *corolla* externe pilosa —C P. 2639.

HAB. Matelle, East Var β . Ambagamowa.

Hæc species olim cum *H. inamena*, Thw., confusa

140. "Hedyotis evenia, Thw." Dele annotationem, et insere: Hæc species ab *H. Lawsonia*, W. et A., inflorescentia terminali satis distinguitur

141. "Hedyotis flavescens, Thw." Certe forma solum *H. Lesser-tuana*, Arn. (var γ), in locis apricis madidis crescens

143. "Hedyotis inamena, Thw." Dele "95," "(98)," et a "Var. β " ad "Districts" inclus. Adde ad descriptionem

Folia subevnia, glaberrima *Stipule* margines dilatato, membranaceo, tuberculis notato *Calyc* pilosus, tubo corollæ parum brevior, lobis ovatis obtusis.

HAB. Near Balangodde.

144. "Hedyotis Burmanniana, Br." Pro "2368," insere: 2638. Adde: species valde variabilis.

Forma *b*, *brachypoda*; *floribus* 1-2-nis, fere sessilibus, ad axillas foliorum.—*Oldenlandia brachypoda*, DC. Prod. iv. p. 424.—C.P. 3838.

HAB. Central Province.

Forma *c*; *racemosa*; *floribus* 3-6, in racemum dispositis ad api-

Page

com pedunculi.—*Hedyotis* (O.) *brachiata*, Wight; W. et A. Prod. i. p. 415.—c.p. 3837.

HAB. Near Colombo, Mr. W. Ferguson.

144. "DENTELLA, Forst."

Hoc genus placentam in medio dissepimenti affixam habet, et hinc inter genera subsectionis præcedentis, post *Urophyllum*, Jack, rectius allocandum.

145. "*Morinda exserta*, Roxb." Adde:

Flores dimorphi, alii stigmate, alii antheris exsertis

145. Pro "13. MEPHITIDIA, Reinw."

Lanathus, Jack, Wight," substitue

13. LASIANTHUS, Jack, Wight.

Mephitidia, Reinw. Et adde

1. *L. Moonii*, Wight, in Calc. Journ. of Nat. Hist. vi. p. 504. —*Mephit. Moonii*, hujus Enum. p. 145.—c.p. 92.

2. *L. strigosus*, Wight, l.c. p. 512 —*Mephit. Gardneri* et *M. tomentosus* (haud *M. strigosus*), hujus Enum. pp. 145, 146.—c.p. 348, 2711 (1723)

Calycis lobi lanceolati, pilosi

3. *L. rhinophyllus*, Thw —*Meph. rhinophylla*, Thw. in hac Enum. p. 145.—c.p. 361.

4. *L. protractus*, Thw —*Mephit. protracta* et *M. Walkeriana*, hujus Enum. p. 146 (haud *L. Walkerianus*, Wight) —c.p. 354, 289 (340, 1728).

Calycis lobi triangulares

5. *L. Walkerianus*, Wight, l.c. p. 513. —*Mephit. strigosa*, Thw. in hac Enum. p. 146 (haud *L. strigosus*, Wight) —c.p. 1725.

Calycis pars libera tubulosa, minute dentata

6. *L. oliganthus*, Thw. — *Mephit. oligantha* (excl. var. β), hujus Enum. p. 146.—c.p. 357 (1726, 1727).

A specie præcedenti distinguitur *petiolis* brevioribus, et *floribus* multo minoribus.

7. *L. obliquus*, Thw —*Mephit. oligantha*, var. β , hujus Enum. p. 146.—c.p. 3416

8. *L. varians*, Thw.—*Mephit. varians*, hujus Enum. p. 146.—c.p. 57 (80, 290, 422, 423).

147. "ALLÆOPHANIA, Thw." Adde:

Bacca 4-cocca.

149. Dele "17. PRISTIDIA, Thw. (gen. nov.)" cum descriptione, genus a GÆRTNERA, Lam., haud distinctum, et hinc "*P. divariata*, Thw." sub nomine *Gærtnera divariata*, Thw., posthac agnoscenda.

- Page
150. "*Oncosalis curvispora*, Thw." Pro "*Flores* polygamo-dioisi, fertiles breves, stigmatē exserto," substitue:
Flores dimorphi, alii *stigmatē*, alii *antheris* exsertis. *Corolla* longiuscula, curvata, vel brevior recta.
151. Genera "*RUBIA*, Tourn.," et "*GALIUM*, Linn.," subsectionem Ordinis ovulis medio dissepimenti affixis, melius formabunt.
153. "*TIMONIUS*, Rumph., DC." Adde, ut synonyma:
Bohea, Miquel.
153. "*Timonius Jambosella*, Thw." In descriptione, pro "*comosis*" lege: *carnosis*.
154. "*Coffea* ? *elliptica*, Thw.," ad genus *STYLOCORYNE*, Cav. transferenda; vide infra.
154. "*Prismatomeris albidiflora*, Thw." Adde:
Coffea tetrandra, Roxb., valde affinis, an ejusdem varietas floribus pentameris?
155. "*Ixora acuminata*, Roxb." Adde: *I. jucunda*, Bot. Mag. t. 5197 (haud Thw.).
157. "*Hyptianthera macrocarpa*, Thw." In descriptione, pro "*lobi* 5," inserte: *lobi* 4, rarius 5.
158. "*STYLOCORYNE*, Cav." Adde:
2. *S. elliptica*, Thw.—*Coffea* (?) *elliptica*, Thw. in hac Enum. p. 154—c p. 3482
Bacca pollinaria, carnosa, loculis circiter 10-spermis. *Semina* complanata, oblonga, scnapollicaria, imbricata, biserialia, pulpa immersa.
159. "*GARDENIA*, Ellis." Adde:
2. *G. latifolia*, Ait. (W. et A. Prod. i. p. 395, cum syn.; Wight, Icon. t. 759.)—c p. 3617.
HAB. Near Colombo, Mr. W. Ferguson
159. "*Valeriana Hardwickii*, Wall." Adde ad descriptionem:
Achenia in planta *Zeylanica* glabra et multo majora quam in specimine ex Herb. Ind. Orient. cl. Hook. f. et Thomson.
160. Pro "1. *Dipsacus Leschenaultii*, Coul.," et sequent., substitue:
• 1. *D. Walkeri*, Arn. Pug. p. 26 (334); Wight, Icon. t. 1166.—c p. 2404 (1730).
HAB. Newera Ellis.
A. D. Leschenaultii, Coul., cui valde similis, forma palearum satis differt fide specimin. ex Herb. Ind. Or. cl. Hook. f. et Thomson.
160. "*Vernonia Neillgherryensis*, DC." Adde:
Achenia immatura glandulis conspersa. *Pappi* series externa brevissima, parum expansa
161. "*Vernonia Gardneri*, Thw." Pro "*pappo* exteriorē brevissimo," substitue: *pappi* serie externa brevi, subpaleacea, distincta vel ad basin in tubum plus minus coherente.
Facies externa *Decaneuro Sikkimensis*, DC., valde similis, sed forma achenii *pappique* satis distinguitur.

Page
163.

"BLUMMA, DC." Adde:

6 a. *B. balsamifera*, DC. Prod. v. p. 447, cum syn.—c.p. 3665.
HAB. Trincomalie, Rev. S. O. Glenie.

165. Adde: 23 a. *XIMENESIA*, Cav.

1. *X. encelioides*, Cav.; DC. Prod. v p. 627.—a. *hortensis*.—
c.p. 3839

HAB. Trincomalie, Rev S O Glenie

166. "GNAPHALIUM, Linn."

Pro "*G. Indicum*, Linn (DC Prod vi p 231; DC. l c. p. 274)," substitue

G. oblongum.—*Anaphalis oblonga* et *An. (?) elliptica*, DC. l c p. 274. *A. (?) elliptica*, Wight, Icon t 1118 Et adde

Specimina Zeylanica veri *Gnaph. Indica*, Linn, nunquam vidi, et nomen in hac Enumeratione meo errore insertum.

166. "*G. Wightianum*, Wall Cat ' Post "c p" dele "528, 132, 568," et dele quoque a "*Suffruticosum*" ad finem annotationis Post "t 1117" insere *An Anaphalis araneosa*, DC l c p 275²

166. Adde 4 a *G. adnatum*, Wall Cat, DC Prod. vi p. 274 —*An Anaphalis leptophylla* DC l c p 273²—c p 568

Var β *spathulifolium*, fruticosum, ramosum, foliis (superioribus exceptis) spathulatis, parum acutis trinerviis, superne araneosis vel subglabris, subtus dense floccoso-tomentosis, floribus fere ut in var a, sed squamis involucri parum majoribus —c p 132, 52b —*An species distincta?*

166 "*G. marcescens*, Wight" Adde *An Anaphalis Notoniana*, DC Prod vi p 273, cum syn ?

167 "*Emilia prenanthoides*, DC" Pro "*sublirataque*" lege. *sublyrataque*

167 "*Senecio corymbosus*, Wall" Post "1130)" dele "c p. 565;" et post "c p 272" adde 565 Post "1131 —" insere: *S araneosa*, DC l c. Adde annotationem sequentem

Nunquam specimina Zeylanica forma (var a) *S corymbosi*, Wall, foliis subtus tomento compacto ochraceo vel ochraceo fulvo persistente tectis vidi, sed in aliis characteribus planta Zeylanica cum hac forma omnino congruit

168. "*Stygidium uliginosum*, Sw" Pro "c p 2505" lege. c p. 3505

169 "CAMPANULACEÆ" Adde.

3 CEPHALOSTIGMA, A DC.

1. *C. spathulatum*, Thw, herbacea, hispidula; caule erecto, superne paniculatum ramoso, 4-5-costato; foliis lanceolatis, inferioribus spathulato-lanceolatis, acutis, parum dentatis, floribus minutis, longe pedicellatis, lobis calycinis lanceolatis, acutis; corollæ lobis ciliatis; stigmate 3-lobo —c.p. 3794.

HAB. Oova District, at an elevation of 4000 feet.

Herbæ 4-16-pollicaris. Folia utraque pilosa, 5-15 lin. longa, 1½-3½ lin. lata. Capsula spherica.

Page

172. "*Utricularia orbiculata*, Wztl." Pro "C.P. 2085" lege: C.P. 2084.

173. "*ARDISIA*, Linn."

Pro "*A. paniculata*, Roxb.," et seq. ad "1215," substitue:

A. Courtallensis, Wight, Ic. t. 1215.—*A. Missionis*, var. β . *verticillata*, A. DC. Prod viii. p. 130. Et adde:

Ab *A. paniculata*, Roxb., cui valde similis et forsam ejusdem varietas, differt foliis minoribus, venis primariis minus regularibus distinctisque, calycis segmentis acutioribus et corolla glandulosa

174. "*A. divergens*, Roxb., var. β ." Dele "An *A. crispa*, var. β , A. DC. l. c. 134, cum syn?"

- 175, 176. Genera "*DASYAULUS*," Thw., "*DICHOPSIS*, Thw.," et "*ISONANDRA*, Wight," melius, ut credo, sectiones *BASSIÆ* formabunt.

178. "*DIOSPYROS*, Dal., Linn." Adde:

1 a. *D. montana*, Roxb. Pl. Cor. t. 48; Roxb. Flor. Ind. ii. p. 538; Wight, Ic. t. 1225. C.P. 3771.

HAB. Trincomalee, Rev. S. O. Glene.

178. "*D. cordifolia*, Roxb." Dele "*D. montana*, Wight, Ic. t. 1225 (non Roxb.)." Una cum annotatione tota.

180. "*D. oocarpa*, Thw." Post "suffultis" insere: *D. Arnottiana*, Miq., fide specim. ex Herb. Ind. Orient. et Hook. f. et Thoms.

180. Adde speciem sequentem *Diospyri*

9 a. *D. pruriens*, Dalz. in Hook. Journ. of Bot. iv. (1852) p. 110?—C.P. 2836

HAB. Salligram District, at an elevation of 2000 feet.

Ramuli juniores patentem longiuscule hispidi pilos. *Folia* superne glabra, costa pilosa, subtus sparse longiuscule pilosa. Inflorescentiam nondum vidi. Forsan species nova

183. "*MACREIGHTIA*, A. DC."

Adde ad char. gen. quoad species Zeylanicas.

FLOR. MASC. *Calyx* tridentatus, uno latere profunde fissus. *Stamina* indefinita, 4-16, filamentis prope basin corollæ insertis, longitudine valde inequalibus, antheris oblongis lateraliter dehiscentibus. *Ovarii rudimentum* parvum vel subnullum. FLOR. FEM. *Ovarium* 6-loculare, loculis uniovulatis. *Stylus* cylindricus vel parum conicus. *Stigma* parvum, 3-partitum. Arborea medioeris, partibus junioribus inflorescentiaque pilosis; gemmis squamis distichis ovatis imbricatis; foliis penniveniis, superne sublaevibus, ad costam venas primariasque depressis, subtus prominentem reticulatis; petiolo crassiusculo; floribus subsessilibus, secus ramulos juniores infra folia singulatim dispositis, vel breve spicatis ab axillis foliorum annotuorum vel delapsorum.

183. "*M. oblongifolia*, Thw." Adde ad descriptionem:

FLOR. MASC. *Corolla* tubus quam calyx dimidio longior. *Stamina* circiter 12. *Ovarii rudimentum* minutum, pilosum.

Page

183. Adde species sequentes *Macreightiæ* :

2. *M. ovalifolia*, Thw. ; *foliis* coriaceis, ovatis, parum acuminatis, obtusiusculis, basi rotundatis vel parce angustatis. FLOR. MASC. *rameis*.—C.P. 3717.

HAB. Hinidoon Pattoo, at no great elevation.

Folia 2-3½ poll. longa, 1-1½ poll. lata, *petiolo* 2-3 lin. longo. FLOR. MASC. *Calyx* 2½ lin. longus, tubo corollæ æquilongus. *Stamina* 13-16. *Ovarii rudimentum* subnullum.

3. *M. acuminata*, Thw. ; *foliis* membranaceis, ovatis vel ellipticis, valde acuminatis, basi rotundatis vel parum acutis, brevipetiolatis. FLOR. MASC. *Corollæ tubo* quam calyx duplo longiore ; *staminibus* 4-5 ; *ovariorum rudimento* parvo, oblongo, apice attenuato, piloso.—C.P. 3718.

HAB. Hinidoon Pattoo.

Folia (cum acumine) 3-5 poll. longa, 1-1½ poll. lata, *petiolo* 1½-2 lin. longo. *Corolla* 4 lin. longa. FLOR. FÆM. *Nuculanæ sphaerica*, tomentosa et sparse longiuscule pilosa, 6-7 lin. in diam.

190. "JASMINUM, Tourn."

Pro "*J. rigidum*, Zenk.," cum sequent. ad "p. 55," substitue : *J. glabriusculum*, Blume, Bijdr. p. 679 ; DC. Prod. viii. p. 303, fide specim. ex Herb. Hort. Bot. Javan.—[Conf. *J. rigidum*, Zenk. ; DC. l. c. p. 305. *J. myrtifolium*, Zenk. ; DC. l. c. p. 304. *J. ligustrifolium*, Wall. ; DC. l. c. *J. tetraphis*, Wight et Gardn. ; Walp. Ann. iii. p. 21.]

191. "*Ophioxylon serpentinum*, Willd." Pro "1834" lege : 1836.191. "*O. densiflorum*, Thw." Pro "1836" lege : 1834.

193. "*Wrightia angustifolia*, Thw." Adde ad descriptionem : Folliculi cylindrici, attenuati, nigri, nitidi, 8-10 poll. longi, 2 lin. in diam.

197. "TYLOPHORA, R. Br."

"*T. fasciculata*, Ham." Pro "c.p. 369" substitue : c.p. 3792. Et pro "HAB. Not uncommon" et sequent. ad "7000 feet" substitue :

HAB. Moottettoowegama.

197. Adde species sequentes *Tylophoræ* :

4 n. *T. Iphisia*, A. DC. Prod. viii. p. 610, cum syn. ; Wight, Icon. t. 1276.—*T. fasciculata*, hujus Enum. p. 197 (haud Ham.).—C.P. 369.

HAB. Common in the more elevated parts of the Central Province.

6. *T. membranifolia*, Thw. ; *volubilis*, glabra ; *foliis* tenuiter membranaceis, ovatis subito breviusculis, acutis, mucronatis, plus minus cordatis, longiuscule petiolatis ; *petiolo* costaque superne puberulis ; *pedunculis* filiformibus, folio subæquilongis, flexuosis, ad flexuras apicemque florum fasciculos gerentibus ; *pedicellis* flore triplo longioribus ; foliolis *coronæ stamineæ* depressis, carnosius, lateraliter parum compressis ; *calycis* segmentis ovatis, parum acutatis.—C.P. 3793.

HAB. Colombo, Mr. W. Ferguson.

Page

Differt a *T. asthmatica*, W. et A., foliis plus membranaceis, pedunculis elongatis, floribus multo minoribus et segmentis calycinis latoribus.

200. "*Fagraea Zeylanica*, Thunb." Adde: Abundant on the banks of the river at Balangodde.

201. "STRYCHNOS, Linn."

Dele "3. *S. laurina*, Wall.," cum tota descriptione, et inserte:

3. *S. micrantha*, Thw.; scandens; ramulis junioribus teretibus, pilosulis vel subglabris; cirrhis gemellis ad apicem ramuli abbreviati æquilongi, medio incrassatis; foliis glabris, firmis, ovatis vel ellipticis vel anguste lanceolatis, plus minus acuminatis, mucronulatis, tri- vel triplinerviis, basi parum acutatis, petiolatis; cymis axillaribus terminalibusque, a basi ramosis, folio multum brevioribus, breve pilosis; floribus parvis, pentameris; segmentis calycinis brevibus, rotundatis, ciliatis; corollæ fauce villosa, tubo lobis æquilongo; ovario oblongo, villoso, calycem excedente, in stylum longiusculum sensim attenuato; stigmate parvo.—C.P. 1866, 3540, 3720.

HAB. Warmer parts of the island, not uncommon.

Folia 1½–5 poll. longa, 1–2 poll. lata, petiolo 3–4 lin. longo. Cymæ pollicares. Pedicelli flore æquilongi vel abbreviati. Corollæ tubus ½ lin. longus. Nuculania (immat.) pollicaria.

Differt a *S. laurina*, Wall., inter alia, floribus multo minoribus.

3/1. *S. coriacea*, Thw.; scandens? ramulis junioribus pilosulis; foliis coriaceis, ellipticis, parum acuminatis, triplinerviis, subtus pallidioribus, reticulato-venosis, brevipetiolatis; cymis axillaribus terminalibusque, pilosulis, folio brevioribus vel subæquilongis; segmentis calycinis rotundato-oblongis, obtusis vel parum acutatis, breviciliatis; corollæ quam calyx 5–6-plo longiore, lobis interne usque ad apicem villosis, tubo æquilongis; ovario oblongo, villoso, calyce subæquilongo, in stylum longiusculum attenuato; stigmate parum dilatato.—An *S. laurina*, Wall., var. ?—C.P. 3367.

HAB. Central Province, rare.

Folia 1½–3 poll. longa, 1–1½ poll. lata, petiolo 1 lin. longo. Corollæ tubus 1 lin. longus. Nuculania nondum vidi. Mea specimina ecirrhosa.

201. "*S. cinnamomæ*, Thw." Post "polypermis" inserte: An *S. Wallichianæ*, Steud.; DC. Prod. ix. p. 13, forma?

201. "*S. potatorum*, Linn. f." Pro "C.P. 1866, 3367" substitue: C.P. 3719.

202. "GÆRTNERA, Lam." Adde:

6. *G. divaricata*, Thw. — *Pristidia divaricata*, Thw. in hac Enum. p. 149.—C.P. 2991.

HAB. Hinidoon Pattoo.

Nuculania subspherica, cyanea, semipollicaria.

204. "*Pladera pusilla*, Roxb." Adde annotationem sequentem:

Planta Zeylanica differt a speciminibus Indicis caule robustiore, ramis plus erectis, foliis latoribus, et pedicellis brevioribus, sed vix species distincta censenda.

"OPHELIA, Don." Adde:

3. *O. Ohirata*, Griseb. (DC. Prod. ix. p. 127, cum syn.)—c.p. 3723.

HAB. Central Province, rare

207. "*Didymocarpus floccosa*, Thw." Post "consperso" insere: *D. primulaefolia*, Bot Mag. t. 5161 (haud Gardn.).

211. "IPOMOEIA, Linn."

"*I. rugosa*, Choisy." Pro "c p 2854" lege. c p 2850.

211. "*I. jucunda*, Thw." Adde ad descriptionem

Noctiflora *Pedunculi* 1-3-(saepius 1) flori *Calyx* pollicaris, externe pilosus, basi glandulosus, segmentis ovatis mucronatis *Corolla* hypocrateriformis, alba, 4 poll in expans, tubo bipollicari, externe pilosula *Stamina* alba. *Stigma* capitatum, bilobum

212. Adde speciem sequentem *Ipomoea*

9/1 *I. vitifolia*, Sweet (Choisy, in DC Prod. ix p. 361, cum syn)—c p 3685

HAB. Hapittigam Corle.

218. "PTEROSTIGMA, Benth" Adde:

3. *P. (Cardiosepalum) subrepens*, Thw; villosulum, *foliis* late ovatis, crenatis, petiolatis, *floribus* axillaribus, solitariis, brevipedicellatis, bibracteolatis, *bracteolis* filiformibus, calyce dimidio brevioribus, *calycis* segmentis 3 exterioribus ovatis vel rhomboideo-ovatis, acutis, reticulato-venosis, pilosis (postico parum majore), 2 interioribus (lateralibus) linearilanceolatis et parum brevioribus, glabris—c p 3821

HAB Pasdoon Corle, on the borders of paddy-fields

Folia $\frac{1}{2}$ -1 $\frac{1}{2}$ poll longa, demique subglabra, *petiolo* 2-4 lin longo *Calyx* 4 lin longus, pedicello $\frac{1}{2}$ lin longo *Corolla* pallide cyaneo-purpurea, semipollicaris, labio superiore rotundato *Filamenta* anteriora longiora *Antherae* biloculares, loculis disjunctis, inaequalibus, ambobus saepius polliniferis

218. "*Herpestis Monnieria*, H. B K." Pro "c p. 2031" lege c.p. 2034.

219. "BONNAYA, Link et Otto." Adde

3 *B. brachiata*, Lk et Ott (Benth. in DC Prod x p 420, cum syn)—c p 3084

HAB Hotter parts of the island.

A *B. veronicaefolia*, Spr, cujus forsitan varietas, differt foliis ad basin latioribus, serraturis setaceo-apiculatis

219. "*B. veronicaefolia*, Spr" Dele "3084."

220. Adde: 11/1 PEPLIDIUM, Delile.

1. *P. humifusum*, Del. (Benth in DC. Prod. x. p 422, c.p. syn.)—c.p 3789

HAB. Trincomalie, Rev S. O. Glenie.

"OROBANCHACEÆ." Adde:

3. CAMPBELLIA, Wight.

Walp. Ann. iii. p. 207.

1. *C. cytinoides*, Wight. (Walp. l. c.; Wight, Icon. t. 1425, sub nomine *C. Neilgherrica*, Gardn.)—c.p. 3770.

HAB. Pedrotalagalla, at an elevation of 7000 feet, on roots of species of *Strobilanthes*.

230. "*Barleria Prionitis*, Linn." Adde: c.p. 2012.

233. "*Gymnostachyum hirsutum*, T. And." Adde: c.p. 2473.

233. "*Justicia Betonica*, Linn." Adde: c.p. 1990.

235. "*Asystasia Gangetica*, T. And." Pro "c.p. 1998" lege: c.p. 1988.

248. "*Euxolus polygonoides*." Adde: *Amaranthus Blitum*, Linn., fide specim. ex Herb. Bot. Calc., differt ab hac specie, cui valde similis, dehiscentia circumscissali utriculi, et semine minore gibbosioreque.

248. "*Ferva Monsonia*, Moq." Adde: c.p. 3324.

251. "*Drymispermum cauliflorum*, Thw." Pro "ab marginem" lege: ad marginem.

256. "*Actinodaphne glauca*, N. ab Es." Pro "Halagalla" lege: Pedrotalagalla.

256. "*A. stenophylla*, Thw." Pro "303" lege: 304.

257. "*A. molochina*, N. ab Es." Pro "2272 v. 2373" lege: 2273.

259. "ELATOSTEMA, Forst." Adde:

3. *E. sessile*, Forst. (Wedd. Mon. des Urtic. p. 294)—*E. cuspidatum*, Wight, Icon. t. 2091, fig. 1, t. 1983.—c.p. 3767.

HAB. Rambodde, at an elevation of 4000 feet.

262. Post "*Artocarpus integrifolia*, Linn.," insere: c.p. 2233.

263. "*Antiaris innoxia*, Bl." Post "p. 193" insere: *A. Zeylanica*, Seemann, in 'Bonplandia,' x. p. 4. Et adde:

Planta Zeylanica variat foliis subglabris, et inter eam et *A. saccidorum*, Dalz., nullam differentiam invenire possum.

264. "*Taxotrophis Zeylanica*, Thw.," pro "refluxis" lege: reflexis.

269. EUPHORBIA, Linn.

Pro "9. *E. bifida*, Hook. et Arn.," et sequent. ad "c.p. 2131," substitue:

9. *E. Atoto*, Forst. (Boissier in DC. Prod. xv. p. 12.)—*E. halophila*, Miq.; Boiss. l. c. p. 12, cum syn.—c.p. 2131. Et adde annot. seq.:

Hæc species differt ab *E. bifida*, Hook. et Arn., seminibus glaberrimis.

Dele: "• *Monoca*."

Dele: "•• *Dioica*."

Page

274. "*Podadenia sapida*, Thw." Inter "*Florae*" et "*rubri*" insere: dioici.
274. "*MACARANGA*, Dup. Th." Adde:
2. *M. Indica*, Wight, Icon. t. 1883 et t. 1949, f. 2.—C.P. 3795.
HAB. Very abundant up to an elevation of 4000 feet.
274. "*Gelonium lanceolatum*, Willd." Pro "695" lege: 696.
275. "*Mischodon Zeylanicus*, Thw." Adde: Nom. vulg. "*Tam-manna*."
277. "*Trigonostemon diplopetalus*, Thw." Pro "2 poll. lata" ad finem descriptionis, lege: $\frac{1}{2}$ poll. lata.
280. "*AMANOA*, Aubl." Adde, ut synon. hujus generis:
Leioopyxis, Miq. Fl. Ind. Bat. Supp. i. p. 445.
Dele "1. *A. patula*, Thw.," cum tota descriptione, et in ejus loco insere duas species sequentes:
1. *A. Indica*, Wight, Icon. t. 1911.—*A. robusta*, Thw. MSS. (specim. distrib.) An *Cluytia patula*, Roxb. Pl. Cor. ii. p. 38, t. 170P—C.P. 3721 (2151 partim). Forma minor, *foliis* minus coriaceis, *petalis* parce pilosis vel glabris.—C.P. 2151.
HAB. Warmer parts of the island, not uncommon.
FLOR. SEM. *Discus* cupuliformis, profunde 4-lobus, lobis apice dentatis, quam petala longioribus.
1/1. *A. acuminata*, Thw.; glabra; *foliis* ellipticis vel rotundatis, rostrato-acuminatis, subtus venis primariis prominentibus, basi rotundatis vel parum angustatis; *floribus* confertis, axillaribus; *petalis* oblongis, glabris, apice dentatis; *flor. scem. disco* petalis multo breviori, dentato vel crenulato; *capsulis* sessilibus, parum depressis, latioribus quam longis, parce pilosis.—C.P. 2164.
HAB. Colombo, *Mr. W. Ferguson*; Galle District.
A. Indica, Wight, valde similis, sed foliis abrupte et longius acuminatis, floribus axillaribus (rarius ramis vel glomerato-spicatis), petalis forma differentibus et disco flor. scem. multo breviori.
283. *Epistylum montanum*, Thw., est forma solum *E. polyphylli* hujus Enum. p. 283, et, ut species, delendum.
292. "*CHAVICA*, Miq." Adde:
2/1. *C. Chuvya*, Miq. (Illust. Piper. p. 42, t. 39.)—C.P. 3691.
HAB. Near Colombo, *Mr. W. Ferguson*; Central Province, but probably introduced.—Nom. vulg. "Seewiya-wel."
293. Adde: 5. *MULDERA*, Miq.
1. *M. diandra*, Thw.; glabra; *foliis* oblongo-lanceolatis, parum acuminatis, mucronatis, basi obtusiusculis, 3- vel sub-5-nerviis; *venis primariis* supra basin 2, a costa infra medium assurgentibus et apici folii attingentibus; *spicis masc.* folio brevioribus; *floribus* parum distantibus; *staminibus* 2.—C.P. 3738.
HAB. Mapalagam, in the Hinidoon Pattoo.
Scandens, radicans. *Folia* late virentia, subcarnosa, 4-7 poll. longa, $1\frac{1}{4}$ -2 $\frac{1}{2}$ poll. lata; *petiolo* 3-7 lin. longo.

- Page
295. Dele: "4. *Liparis odorata*, Lindl.," cum tota descriptione.
296. Adde: 2/1. **EMPUSA**, Lindl.
1. *E. paradoxa*, Lindl. Gen. et Sp. Orchid. p. 17, cum syn.
—*Liparis odorata*, hujus Enum. p. 295 (haud Lindl.). An Rheede,
Hort. Mal. v. 12, t. 28?—c.p. 3180, 3375.
HAB. Central Province, at an elevation of 2000 to 5000 feet.
Flores inodori.
297. "*Microstylis purpurea*, Lindl." Adde: c.p. 3768.
HAB. Hinidoon Patta.
297. "**DENDROBIUM**, Sw." Adde:
6/1. *D. hæmoglossum*, Thw.—*Caulibus* elongatis, pendulis,
teretibus, parum compressis, estriatis; *foliis* lineari-lanceolatis,
acuminatis, firmis; *pedunculis* oppositifoliis, brevissimis, bifloris;
sepalis petiolisque lanceolatis, conformibus; *labelli* limbo linguæ-
formi, acuto, glabro, undulato; *columna* apice 5-dentata.—c.p.
3842.
HAB. Matelle, Gardner; Dolosbagey District.
Caulis 1-1½-pedalis. *Folia* 2½-3½ poll. longa, 3-4 lin. lata. *Flores*
semipollicares flavi. Labellum, cum columna, rubro-tinctum.
Flower described from a coloured drawing in this collection.
299. "**ERIA**, Lindl." Adde:
1/1. *E. tricolor*, Thw.—*Caulis* elongato, squamis marcescenti-
bus vaginato; *foliis* plurimis, glabris, lanceolatis; *racemis* pluri-
floris, quam folia brevioribus; *rachi* villosula; *bracteis* ovatis, 1-
nerviis; *sepalis petalisque* ovatis, subacutis, æquilongis, his angusti-
oribus, illis externe cum ovario villosulis; *labelli* trilobi lobo
medio rotundato, obtuso, apice reflexo, lateralibus erectis, subfal-
catis, obtusis; *columna* antice medio parum gibba.—c.p. 3840.
HAB. More elevated parts of the Central Province.
Folia 5-9 poll. longa, ½-¾ poll. lata, striata. *Rachis* cum bracteis viridis.
Flores 6 lin. in exp. *Petala sepalaque* alba. *Labellum* roseum, lobo medio
flavo.
Ab *E. bicolore*, Lindl., cui valde affinis, racheos florumque colore, et his mi-
noribus numerosioribusque, satis differt.
302. "**CYRTOPERA**, Lindl."
Pro: "*C. Gardneri*, Thw.," substitue: *C. fusca*, Wight,
Icon. t. 1690; nomen prioritatem habens.
302. *Luisia bicaudata*, Thw., est species *Vandæ*. Vide infra.
303. "**VANDA**, R. Br." Adde:
3. *V. bicaudata*, Thw.—*Luisia bicaudata*, Thw., in hac Enum.
p. 302.—c.p. 3494.
303. "**SACCOLABIUM**, Blume." Adde:
9. *S. paniculatum*, Wight, Icon. t. 1676.—c.p. 3769.
HAB. Doomberra District.
305. "**AERIDES**, Lour." Adde:
"4. *A. latifolium*, Thw.; *caule* brevi, *foliis* membranaceis, ob-

Page

ovato-lanceolatis, subacutis, apice parum obliquis, mucronatis, ad basin gradatim angustatis; *paniculis* patentim ramosis, plurifloris, quam folia longioribus; *sepalis* oblongis, subacutis, *petalis* conformibus; *labelli* calcare conico; *laciniis* lateralibus erectis, versus apicem parum dilatatis, truncatis, basi interne callosis; *intermedia* latiore, obovata, retusa, basi glandula bicorni appendiculata.—C.P. 3495.

HAB. On trees, Saffragam District and Hinidoon Pattoo, at no great elevation.

5. *A. viridiflorum*, Thw.; *caule* brevi; *foliis* oblongis vel ovatis, parum acutatis, basi latis; *racemis* foliis subæquilongis, 4-8-floris; *sepalis* ovatis, subacutis; *petalis* angustioribus, oblongis; *labello* saccato, lobis erectis, lateralibus oblongis, intermedio minore rotundato.—C.P. 3385.

HAB. On trees in the Central Province, Gardner.

Folia creiter 3 poll longa, 1 poll lata. *Flores* conniventes, semipolliniferae, virides vel flavo-virides, *labello* albo, interne rubro. *Bractea* parva.

Described from coloured drawings in this collection

306. "DENDROCOLLA, Blume." Adde:

2. *D. pulchella*, Thw.—*Cylindrochilus pulchellus*, Thw. in hac Enum. p. 307.—C.P. 2354.

307. Dele: "CYLINDROCHILUS, Thw.," genus a *Dendrocolla* haud distinctum. *D. pulchellus*, Thw., est *Dendrocolla pulchella*, Thw. Vide supra.

311. "Sect. 5. ARETHUSEÆ, Lindl." Adde:

Subsect. POGONIDÆ, Lindl.

48/1. POGONIA, Juss.

1. *P. Juliana*, Wall. Cat. no. 7399.—Lindl. Gen. et Sp. Orchid. p. 414.—C.P. 3841.

HAB. Doomberra District.

315. "*Zingiber Wightianum*, Thw." Adde ad descriptionem: *Spica* radicalis vel rarius terminalis.

316. "*Curcuma albiflora*, Thw." Post "*spica radicali*" insere: vel rarius terminali.

317. "AMOMUM, Linn." Adde:

5/1. *A. graminifolium*, Thw.; *foliis* firmis, linearibus, acuminatissimis, in petiolum brevem angustatis; *ligula* brevi, indivisa, rotundata vel truncata, marcescente.—C.P. 3820.

HAB. Abundant in the Singherajah Forest.

3-4-pedalis vel ultra. *Rhizoma* rufescens, 3-4 lin. in diam. *Folia* 12-14 poll. longa, $\frac{1}{2}$ - $\frac{3}{4}$ poll. lata. Inflorescentiam nondum vidi.

317. "*Anomum masticatorium*, Thw." Pro "*semilunaria*," lege: *semilunari*.

319. "ELETTARIA, Rheede.

Sect. *Geanthus*." Adde:

5. *E. rufescens*, Thw.; *foliis* glabris, anguste lanceolatis, longiuscule acuminatis, basi acutis, sessilibus; *ligula* brevi, indivisa, rotundata; *capitulis* (in meis specimenibus, an semper?)

Page

terminalibus; bracteis floribus æquilongis, rotundatis vel ovatis, obtusis.—C.P. 3732.

HAB. Die Oya, in the Ambagamowa District.

1½–2-pedalis, rufescens. *Folia* 5–10 poll. longa, 1–2 poll. lata, firma. *Capitulum* 1½ poll. in diam., bracteis magnis involucreto. *Flores* flavi, parce rufescentes. *Corolla* laciniae exteriores oblongæ, apice rotundatæ. *Labelium* æquilongum, trilobum, lobo intermedio retuso.

319. “*E. involocrata*, Thw.” Post “glabris” adde: vel subtus plus minus tomentosis.

319. “*E. floribunda*, Thw.” Post “glabris” insere: vel subtus ad costam tomentellis.

326. “*Dioscorea spicata*, Roth.” Dele “?” post “571.”

330. “*CALAMUS*, Linn.”

Dele “*C. gracilis*, Roxb.,” cum tota descriptione, et in ejus loco insere duas species sequentes:

4. *C. pachystemonus*, Thw.; *frondibus* pinnatis, *vagina* aculeis rectis sparsis armata, ad apicem rugulosa, *laminis* 2–7 (sæpius 7), secus rachin aculeatam irregulariter dispositis, obovato-lanceolatis, cuspidato-acuminatis, plurinerviis (nerv. 3–5 robustioribus); *spadicibus* elongatis, decompositis, ramis 1–4, ramulis florigeris numerosis (18–25), alternis, brevibus, confertis, recurvis; *floribus* (masc.) confertis; *corolla* quam calycem 3–4-plo longiore; filamentis (3 interioribus valde) incrassatis.—C.P. 2334.

HAB. South of the island. Nom. vulg. “Kookool-wel.”

Species minor, caulibus tenuibus scandentibus. *Frondium* rachis 3–7 poll. longa, laminæ transverse prominentim venulosæ, 5–12 poll. longæ, 1½–2½ poll. latæ, 2 superiores basi coherentes. *Spadicis* rami prim. 3–5 poll. longi. *Spathæ* infundibuliformes, truncatæ, breviscupidatæ. *Bractea bracteolæque* patelliformes. FLOR. MASC. *Calyx* ad medium fissus, lobis rotundatis. *Corolla* tubo brevi, lobis lanceolatis subacutis. *Ovarii rudimentum* parvum, trifidum. FLORES FÆM. nondum vidi.

A *C. gracili*, Roxb., differt laminis frondis paucioribus, ramulis spadicis masc. pluribus, et forma calycis.

4/1. *C. radiatus*, Thw.; *frondium* laminis 6–7, ad apicem racheos aculeatæ radiatim aggregatis, linearibus, acuminatis; *spadicibus* elongatis, acute aculeatis, decompositis vel supradecompositis, ramis primariis 2–6, ramulis florigeris reflexis, parum distantibus, 3–15-floris; *alabastris* (masc.) cylindricis, falcatis; *drupis* sphaericis, brevirostratis.—C.P. 3805.

HAB. South of the island. Nom. vulg. “Kookool-wel.”

Polygamo-dioicus, alte scandens, caulibus tenuibus. *Frondium* vagina aculeis simplicibus vel seriatim coherentibus dense armata, rarius rugosa subinermis; rachis 1½–3½ poll. longa, laminæ 7–10 poll. longæ, 6–8 lin. latæ. *Spathæ* clavato-infundibuliformes, breviscupidatæ. *Bractea bracteolæque* poculiformes, minute cuspidatæ vel obtusæ. FLOR. MASC. *Calyx* cylindricus, duplo longior quam latus, breve 3-lobus, lobis triangularibus acutis. *Corolla* calyce fere triplo longior, tubo brevi, segmentis linearibus acutis. *Filamenta* dimidio inferiore incrassata. *Ovarii rudimentum* minutum, oblongum, apice trifidum. FLOR. FÆM. *Drupæ* 4 lin. in diam., squamis latiusculis flavis nigro-rubro-marginatis.

330. “*Calamus delicatulus*, Thw.” Adde ad descriptionem:

HAB. Hinidoon Pattoo. Nom. vulg. “Narrawell.”

Page

Polygamo-dioicus, alte scandens, caulibus tenuibus. *Fronde* 2-3-pedales (juniores fugacim nigro-ferrugineo furfuraceæ), vagina aculeis longis (versus apicem 4-5-pollicaribus) applanatis albicantibus fragilibus dense armata. *Bractee* poculiformes, cuspidatæ. *Bracteolæ* patelliformes. *FLOR. FORM.* *Corolla* calycem vix excedens. *Ovarium* oblongum, staminibus sterilibus in forma poculi serdentati cinctum. *Stigmata* exserta, reflexa. *Drupæ* sphericeæ, parum oblongæ, rostratæ, semipollicares, squamis ochraceis margine nigro-rubris ornatæ.

334. "LAGENANDRA, Dalz." An species hujus generis rectius sectionem **CRYPTOCORYNIS**, Fisch., formarent?

334. "ARUM, Linn." Adde:

3. **A. (Typhonium) Roxburghii**, Schott, Aroid. i. p. 12; Synops. Aroid. p. 18.—*Arum trilobatum*, Roxb. Fl. Ind. iii. p. 505 (haud Linn.); Wight, Icon. t. 803.—c.p. 3764.

HAB. Colombo, *Mr. W. Ferguson*; Peradenia.

336. "COLOCASIA, Ray." Adde:

3/1. **C. fornicata**, Kunth, Enum. iii. p. 41.—*Alocasia fornicata*, Schott, Syn. Aroid. p. 47. *Arum fornicatum*, Wight, Icon. t. 792.—c.p. 3830.

HAB. Colombo, *Mr. W. Ferguson*.

339. Adde: 6/1. **ROXBURGHIA**, Dryand.

1. **R. gloriosoides**, Jones in Roxb. Pl. Corom. i. p. 26, t. 32; Kunth, Enum. v. p. 287 cum syn., var. *β. minor*.—c.p. 3775.

HAB. Trincomalie, *Rev. S. O. Glenie*.

Folia 2-3 poll. longa *Pergoni* foliola 8 lin. longa.

Differt a forma communis hujus speciei nonnisi partibus omnibus multo minoribus.

339. Adde: 7/1. **LEDEBOURIA**, Roth.

1. **L. hyacinthina**, Roth. (Kunth, Enum. iv. p. 336, cum syn.; Wight, Icon. t. 2040.)—c.p. 3829.

HAB. Trincomalie, *Rev. S. O. Glenie*.

342. "CYPERUS, Linn." Adde species sequentes:

2/1. **C. pumilus**, Linn. (N. ab Es. in Wight's Contrib. p. 74, cum syn.; Kunth, Enum. ii. p. 4, cum syn.)—c.p. 3787.

HAB. Kornegalle District.

2/2. **C. stramineus**, N. ab Es. l. c.; Kunth, l. c. p. 9.—c.p. 3776.

HAB. Kornegalle District.

25/2. **C. venustus**, R. Br. (N. ab Es. l. c. p. 86, cum syn.; Kunth, l. c. p. 68, cum syn.)—c.p. 3788.

HAB. Trincomalie, *Rev. S. O. Glenie*.

344. "**Cyperus distans**, Linn." Adde:

Var. *β. major*; culmo elatiore, *spiculis* suberectis, *squamis caryopsique* parum longioribus.—c.p. 3844.

HAB. Trincomalie, *Rev. S. O. Glenie*; Dambool, *A. O. Brodie, Esq.*

Page
345.

"**PANDANOPHYLLUM, Hassk.**"

"*Char. emend.*" Pro "*Squamæ unifloræ*" inserte: *Spicula androgynæ*. Dele "*FLOR. MASC.*" et sequent. ad: basi incrassatus, et inserte: *Anthere lineares, longitudinaliter dehiscentes, denique exsertæ. Filamenta dilatata, linearia. Ovarium oblongum, in stylum filiformem attenuatum.* Et adde: *Plantæ immersæ vel ad margines rivulorum crescentes; culmo brevi, basi radices copiosas cylindricas tenaces emittente; foliis longissimis; pedunculis numerosis, inter folia assurgentibus, basi vaginatis; capitulis subsphæricis; squamis ovatis, integris, denique plus minus lacerato-fissis, singulis (inferioribus vacuis exceptis) spiculam tegentibus.*

345. "**Pandanophyllum Zeylanicum, Thw.**" Post "*scabris*" inserte: *pedunculis* plus minus elongatis, basi squamis vaginatis, superne nudis. Post "*Kokoole Corle*" adde: Abundant in the Singhe-rajah Forest, and between Kornegalle and Matelle. Pro "*Culmi plures*" lege: *Pedunculi* plures. In adnotatione, pro "*male flower*" substitue: young spicula; et pro "*of the flower*" lege: of the spicula.

346. Adde speciem sequentem **Pandanophylli**:

2. **P. immersum, Thw.**; *foliis anguste linearibus, subulato-acuminatis, margine lævi vel sublævi; pedunculis brevibus, vaginis superioribus foliaceis et capitulum excedentibus.*—c.p. 3819.

HAB. Singhe-rajah Forest, in streams.

A *P. Zeylanico* differt foliis angustioribus, margine sublævibus, et pedunculis brevioribus foliatisque.

347. "**Lepironia mucronata, Rich.**" Dele "*In Pandanophyllum the flower*" et sequent. ad finem adnotationis.

347. "**ABILDGAARDIA, Vahl.**" Species hujus generis sensim in *Fimbristylem* transeunt, et rectius subsectionem ejusdem formabunt. Vide infra.

348. "**Fimbristylis polytrichoides, R. Br.?**" Adde: c.p. 3786.

HAB. Trincomalie, *Rev. S. O. Glenie.*

348. "**Fimbristylis diphylla, Vahl.**" Adde:

Var. β . *major.*—*F. rigidula*, N. ab Es. et hujus Enum. p. 348. —c.p. 3232.

348. "**Fimbristylis rigidula, N. ab Es.**" Certe varietas *F. diphyllæ*, Vahl. Vide supra.

348. Sub "**** Stigmatibus 3. Trichelostylis**" inserte

† *Spica squamis 3-pluri-stichis.*

349. "**Fimbristylis insignis, Thw.**" Post "*Kornegalle*" adde *Pasdoon Corle.*

349. "**Fimbristylis complanata, Link.**" Post "*(in Herb. Hook.)*" adde: Very abundant in the south of the island.

349. Post descriptionem speciei 19mæ *Fimbristylis* inserte:

†† *Spica complanata vel plus minus spiraliter torta.*

Squamis distichis. *Abildgaardia.*

349. "**Fimbristylis connectens, Thw.**" Post "*District*" adde: Abundant at Newera Ellia.

Page

350. Adde species sequentes *Fimbristylis*:

22. *F. tenuifolia*, Thw.; culmo filiformi, striato, glabro, basi foliato; foliis angustis, culmo brevioribus, marginibus involutis, scabrellis; umbellæ radiis 2-4, glabris; involucri brevi, triphylo; spicis oblongis, acutis, parum tortis, solitariis in radiis, intermedia sessili; squamis distichis, paucis, laxis, glabris, late ovatis, subacutis, infra apicem mucronulatis; floribus triandris; stylo glabro; caryopsi late obovoidea, trigona, aspero-tuberculata.—c.p. 3780.

HAB. Ambagomowa District.

Cæspitosa, 1-2-pedalis. Spicæ 2-3 lin. longæ. Squamæ nigro-ferrugineæ, margine membranaceæ pallidiores. Caryopsis pallide fusca.

23. *F. nigro-brunnea*, Thw.; culmo rigido, filiformi, sulcato, versus apicem scabro, basi foliato; foliis firmis, linearibus, abrupte subacutis, glabris, margine scabridis, culmo sæpius multo brevioribus; umbella decomposita, aperta; radiis glabris; involucri involucellisque diphylis, brevibus; spicis ovato-oblongis, subacutis, parum tortis; squamis distichis, paucis, laxis, glabris, nitidis, ovatis, mucronatis; floribus triandris; stylo glabro; stigmatibus 3; caryopsi obovoidea, trigona, aspero-tuberculata.—c.p. 3779.

HAB. Matelle East, A. O. Brodie, Esq. South of the island, very abundant.

Cæspitosa, 1-3-pedalis. Spicæ 3-4 lin. longæ. Squamæ nigro-brunnæ. Caryopsis albida.

24. *F. Cinnamometorum*, Kunth.—*Abildgaardia*, hujus Enum. p. 347, cum syn.—c.p. 2752.

25. *F. fulvescens*, Thw.—*Abildgaardia*, hujus Enum. p. 347, cum syn.—c.p. 679.

HAB. Common in the Southern and Central Provinces up to 4000 feet.

26. *F. tristachya*.—*Abildgaardia*, Vahl, et hujus Enum. p. 347, cum syn.—c.p. 852.

27. *F. monostachya*.—*Abildgaardia*, Vahl, et hujus Enum. p. 347, cum syn.—c.p. 3231.

351. "SCIRPUS, Linn." Adde:

6. *S. tetraqueter*.—*Eleocharis tetraqueter*, N. ab Es. et hujus Enum. p. 351, cum syn.—c.p. 2397.

7. *S. ovatus*, Roth. (Vahl, Enum. ii. p. 249).—*Eleocharis ovata*, R. Br. et hujus Enum. p. 351, cum syn.—c.p. 2635.

8. *S. capitatus*, Willd. (Vahl, l. c. p. 250).—*Eleocharis capitatus*, R. Br. et hujus Enum. p. 351, cum syn.—c.p. 3090.

9. *S. fistulosus*, Poir. Encyc. vi. p. 749.—*Eleocharis fistulosa*, Schult. et hujus Enum. p. 351, cum syn.—c.p. 3162 (3047).

10. *S. plantagineus*, Rottb.—*Eleocharis plantaginea*, R. Br. et hujus Enum. p. 352, cum syn.—c.p. 3046.

Var. β ; culmis tenuioribus; squamis paucioribus, angustioribus et magis distantibus.—c.p. 3777.—HAB. Kornegalle.

11. *S. spiralis*, Rottb. (Roxb. Fl. Ind. i. p. 212).—*Eleocharis spiralis*, R. Br. et hujus Enum. p. 352, cum syn.—c.p. 853.

Pago

12. *S. laxiflorus*, Thw.; *culmis* teretibus, *aphyllis*, striatis, interne regulariter cellulosis neo septis nodosis, basi vaginatis; *vaginis* tubulosis, membranaceis; *spica* solitaria, angusta, cylindrica; *squamis* laxis, ovatis, crebre striatis, late hyalino-marginatis; *caryopsi* late obovata, lenticulari-biconvexa, pluri-costulata, delicatule transversim striata; *setis* 7, *caryopsi* duplo longioribus, retrorsum spinulosis. An *Eleocharis Sieberi*, Kunth, Enum. ii. p. 153, forma?—C.P. 3762.

HAB. South of the island, and in the Ambagamowa District.

Cæspitosus, 1-2½-pedalis. *Culm* (sicci) 1 lin. in diam. *Vaginæ* sæpius pulchre purpurascens. *Spica* pollicaris. *Squamæ* 1½ lin. longæ, pallide virides vel ochraceæ, margine hyalino delicatissime ferrugineo-punctulato. *Caryopsis*, cum *setis*, albida vel pallide ferruginea.

13. *S. Chaetaria*.—*Chaetocyperus setaceus*, N. ab Es. et hujus Enum. p. 351, cum syn.—C.P. 247.

351. "*Chaetocyperus setaceus*, N. ab Es." = *Scirpus Chaetaria*. Vide supra.

351. "*ELEOCHARIS*, R. Br." Cl. Benthamio dubo, species hujus generis ad *Scirpum* transtuli. Vide supra.

352. "*RHYNCHOSPORA*, Vahl." Adde:

3/1. *R. gracillima*, Thw.; glabra, *culmis* filiformibus, trigonis, glabris, foliatis; *foliis* culmo conformibus et eodem parum brevioribus; *corymbis* axillaribus terminalibusque, his spicas plures, illis paucas gerentibus, ramis capillaribus, longiusculis, singulis basi foliolis 2 inæqualibus suffultis; *spicis* ovatis, utrumque attenuatis, flores hermaphrod. circiter 4 includentibus; *squamis* lato ovatis, parum acuminatis, mucronulatis, inferioribus minoribus vacuis, mucronatis; *floribus* diandris; *stylo* bifido; *caryopsi* rotundata, lenticulari-biconvexa, transverse rugosa, longitudinaliter striolata, basi styli sursum brevi conica deorsum divaricata bifida coronata.—C.P. 3818.

HAB. South of the island.

Dense cæspitosa, 1-2-pedalis. *Spicæ* 3-4 lin. longæ, 1-1 lin. latæ, fusco-ferrugineæ. *Caryopsis* albida vel pallide fusca.

353. "*SCLERIA*, Linn."

Pro "*S. stipularis*, N. ab Es. (Steud. l. c. p. 171, cum syn.?)" insere:

2. *S. hebecarpa*, N. ab Es. in Wight's Contrib. p. 117; Kunth, Enum. ii. p. 343; Steud. Synops. p. 169. Et dele "The present plant" et sequent. ad finem adnotationis.

354. Pro "*S. hebecarpa*, N. ab Es. l. c.; Kunth, l. c. p. 357; Steud. l. c.—C.P. 3318," insere:

8. *S. Ceylanica*, Poir. Encyc. vii. p. 3; Steud. Synops. p. 179; N. ab Es. in Wight's Contrib. p. 118; Kunth, Enum. ii. p. 358.—C.P. 3318.

Forma *b*, rigidior, foliis angustioribus.—C.P. 3797.

Forma *c*, paniculis pubescentibus.—C.P. 3796. Adde, post

Page

"island:" Abundant on the borders of paddy fields in the Southern Province. Ad descriptionem adde:

Dense caespitosa, $\frac{1}{2}$ -1 $\frac{1}{2}$ -pedalis. Culmi trignetri. Folia vagina plus minus alata vel acutangula, ligula brevi rotundata aliquando fissa. Panicula axillares terminalesque, breves, pauciflorae. Caryopsis rotundata, apiculata, laevis vel obsolete rugulosa, nitida, alba."

358. "PANICUM, Linn." Adde:

1/1. *P. corymbosum*, Roxb. Fl. Ind. i. p. 292.—Steud. Synops. p. 38, cum syn.—C.P. 3800.

HAB. Happootelle, at an elevation of 3000 to 4000 feet.

30/1. *P. stenostachyum*, Thw.; glabrum, culmi debilibus, elongatis, parce ramosis; foliis longiusculis, linearibus, acuminatis, flaccidis, margine scabriusculis, basi subauriculatis, ligula breviciata; panicula stricta, elongatula, rachi subglabra, ramis brevibus distantibus confertifloris; spiculis lanceolatis, pedicello longioribus; gluma inferiore ovata, subacuta, trinervia; superiore parum longiore, 5-nervia, mucronulata; floribus aequilongis, gluma superiore duplo longioribus; neutro bipaleaceo, palea inferiore late ovata, 7-nervia, apice breve bifida, mucronulata; hermaphrodito palea inferiore 5-nervia, mucronulata, minute rugulosa.—C.P. 3845.

HAB.—Trincomalie, Rev. S. O. Glenie.

Dense caespitosum. Culmi 2-4-pedales, articulis inferioribus radicanlibus. Panicula 4-8 poll longa. Spiculae $1\frac{1}{2}$ lin. longae

35/1. *P. asperum*, Wight.—Steud. Synops. p. 49.—C.P. 3846.

HAB. Trincomalie, Rev. S. O. Glenie.

Gluma inferior brevis, truncatula, subnervia, pallida, superior multoties longior, valde acuminata, plurinervia, aspera, $2\frac{1}{2}$ lin. longa, basi pallida. Flos inferior masculus, bipaleaceus, palea inferiore subglabra, lanceolato-acuminata, quam gluma superior parum brevior. Flos superior faemineus, inferiore multo brevior, paleis tenere membranaceis.

358. "*Panicum Helopus*, Trin." Post "cum syn." inserte: C.P. 3847. Et post "HAB." inserte: Trincomalie, Rev. S. O. Glenie. Var. β .

364. "ISCHÆMUM, Linn." Adde:

5/1. *I. falcatum*, N. ab Es.—*Andropogon falcatus*, Steud. Synops. p. 369, cum syn.—C.P. 3322.

HAB. South of the island.

Differt ab *I. pectinato*, Trin., apice glumae inferioris spiculae sessilis brevialato, nec late appendiculato, culis angustioribus magis distantibus et fere duplo longioribus.

365. "*Ischæmum pectinatum*, Trin." Dele "*Andropogon falcatus*, Steud. l. c.—C.P. 3322." Et inserte: C.P. 3848. Pro "Hotter parts of the island, in wet ground," substitue: Trincomalie, Rev. S. O. Glenie.

366. "ANTHISTIRIA, Linn." Adde:

2/1. *A. Cymbaria*, Roxb. Flor. Ind. i. p. 251.—Steud. Synops. p. 399.—C.P. 3803.

HAB. Matelle East.

Page

367. Pro "9. *Andropogon pertusus*, Willd.," cum tota descriptione, substitue duas species sequentes, illic errore inclusas:

9. *A. pertusus*, Willd. Sp. Pl. iv. p. 922; Roxb. Fl. Ind. i. p. 258.—C.P. 951.

HAB. Abundant in the warmer parts of the island.

Spica versus apicem pedunculi aggregatæ. *Gluma exterior* spicularum omnium vel tantum sessilum foveolata. *Spicula pedicellata* mascula unipaleacea vel neutra epaleacea.

9/1. *A. fascicularis*, Roxb. l. c. p. 265.—An *A. punctatus*, Roxb. l. c. p. 264?—C.P. 411.

HAB. Hot drier parts of the island.

Spica fasciculatæ, fasciculis distantibus. *Gluma exterior* spicularum omnium cfoveolata vel spicul nonnullarum sessilum foveolata. *Spicula pedicellata* mascula unipaleacea vel neutra epaleacea.

368. "HETEROPOGON, Pers." Adde:

3. *H. insignis*, Thw.; *culmis* robustis, erectis, rigidis, teretibus, foliatis, ima basi ramosis; *foliis* longiusculis, linearibus, acuminatis, sparsim longe pilosis, margine scabris, vagina glabra, apice longe pilosa, ligula brevi, rotundata, glabra; *spica* longiuscula; *spiculis* inferioribus omnibus masculis, superioribus masc. et fem. intermixtis; *spicul. masc. gluma inferiore* lanceolata, nitida, inconspicue striata, apice obliqua, *superiore* lanceolata, 1-nervia; *spicul. fem. glumis* aquilongis coloratis, coriaceis, ferrugineo-pilosis, marginibus involutis; *inferiore* ovato-oblonga, obtusa; *superiore* angustiore, apiculata; *arista* robusta, longissima, fulvo-pilosa.—C.P. 3804.

HAB. Mahning-galla, Matelle East.

Dense caespitosus. *Culmi* 4-5-pedales. *Folia* 1-2-pedalia, 3-4 lin. lata. *Spica* (aristis incl.) 8-12 poll. longa. *Rachis* inferiore parte glabra, superne ferrugineo-tomentosa. *Spiculae masc.* 6-10 lin. longæ, flavo-virides, superiores gradatim longiores, *paleis* lanceolatis, margine longe pilosis. *Squamulae* oblongæ, apice dentatæ et longe pilosæ. *Spiculae fem.*: *Glumæ* nigro-ferrugineæ, 4 lin. longæ. *Arista* 4½ poll. longæ.

375. "*Arundinaria debilis*, Thw." Pro "semiverticillatis" lege: semiverticillatos.

376. "*Bambusa attenuata*, Thw." Pro "ramoso-striata" lege: nervoso-striata.

379. "ANGIOPTERIS, Hoffm."

Pro "*A. erecta*" lege: *A. erecta*.

379. "LYGODIUM, Sw."

Pro "3. *L. Japonicum*, Sw. (Presl; Benth. l. c. p. 442.)," substitue:

3. *L. flexuosum*, Sw.; Spreng. Syst. iv. p. 259; Beddome, Ferns of Southern India, t. lxiii.

381. "*Acrostichum (Gymnopteris) decurrens*, Hook." Clariss. Hooker, in litt. hanc plantam ab ea in Fil. Exot. et in Flor. Hongk. descripta distinctam indicat.

Page
381.

"VITTARIA, Sm." Adde:

3. *V. elongata*, Sw. (Willd. Sp. Pl. v. p. 406; Hook. Sp. Fil. v. ined.)—C.P. 3806.

HAB. Central Province.

In Herb. Perad. species, forsân indéscrip̃ta (c.p. 3807), adest parva, *caudice* brevi, subrepente, radicante; *radicibus* pilosis; *frondibus* confertis, coriaceis, abrupte acuminatis, obtusiusculis, 2-6 poll. longis, 1½-2 lin. latis; *sortis* immersis, a margine frondis parum distantibus.

382. "*Meniscium Thwaitesii*, Hook." = *Polypodium (Goniopteris) proliferum*, Pr., vide infra.

383. "*Asplenium tenerum*, Forst.; Hook. l. c.?" Certe, ut clariss. Hooker ait, forma minor *A. macrophylli*, Sw.

384. "*A. macrophyllum*, Sw." Post "C.P. 1340" insere: 1371. Et pro adnotatione substitue:

Ab *A. caudato*, Forst., differt frondibus magis carnosus, indusio latiore et demum margine arcte revoluta.

386. "*Pteris quadriaurita*, Retz." Post "abortivis" insere: *P. Otaria*, Beddome, Ferns of South. Ind. t. xli. An hybrida inter *P. quadriauritam*, Retz., et *P. crenatam*, Sw.?

388. "*Lindsea nitens*, Blume." Pro "appropriated" lege: appropriate.

389. "DAVALLIA, Linn.

c. *Microlepia*." Adde:

14. *D. proxima*, Blume, En. Fil. Jav. Fasc. ii. p. 238; Hook. Sp. Fil. i. p. 183?—C.P. 3827.

HAB. Oova District, at an elevation of 3000 feet.

Caudex repens, tomentosus, digiti crassitudine. *Stipites* epaleacei, subglabri, rubro-fusci, ½-1 ped. longi. *Frondes* tripinnatæ, lanceolatæ vel deltoideæ-lanceolatæ, subtus ad venas sparse pilosæ, 2-3-pedales, rachi scabriuscula. *Pinnæ* (*pinnuleque*) approximatae, lanceolatæ, caudato-acuminatæ, alternæ, pinnula (vel lobo) basali sæpius parum majore. *Pinnule* pinnatifidæ vel ad basin pinnatæ, lobis falcato-trapezoidæis, lanceolatis, acutiusculis vel brevibus, obtusis, crenato-dentatis. *Sori* paullo intramarginales.

390. "*Aspidium aristatum*, Sw." Planta Zeylanica ob indusia reniformia melius, ut cl. Hance in litt. notat, in sectione *Lastrea* includendum.

390. "*A. pteropus*, Kze." Adde:

Var. ♂?; minor, *frondibus* deltoideis, paucilobatis; *stipite* plus minus alato vel exalato; *frond. sorifer.* segmentis multo angustioribus; *sporangiiis* sæpius abortivis vel vacuis.—C.P. 3808.

HAB. Var. ♂?, Peradenia, amongst plants of *Aspid. pteropus*, Kze., var. a, and *Acrostichum quercifolium*, Retz. Can it possibly be a hybrid between those two species, bearing, as it does, a certain resemblance to the latter?

392. "*A. concinnum*, Thw." Adde: *Frondes* steriles vix ab iis *A. deparioidis*, Hook., distinguendæ, cui hæc planta valde affinis et forsân ejusdem solum varietas.

392. "*A. sparsum*, Spr." Post "1369" pro "P" insere

Page
394.

"**POLYPODIUM**, Linn." Adde :

3/1. **P. decorum**, Brack. (Hook. Sp. Fil. iv. p. 179, cum syn.)
—C.P. 3816.

HAB. Singhe-rajah Forest and in the Hinidoon Pattoo.

11/1. **P. (Goniopteris) lineatum**, Colebr. (Hook. Sp. Fil. v. p. 12, cum syn.)

HAB. Ceylon, *Walker (in Herb. Hook.)*.

11/2. **P. (Goniopteris) proliferum**, Pr. (Hook. l. c. p. 13, cum syn. *Meniscium Thwaitesii*, Hook. hujus Enum. p. 382.)—C.P. 3145.

ADDENDA ET CORRIGENDA POSTERIORA.

Page
28.

"MALVACEÆ." Adde.

11. MALVASTRUM, A. Gray.

1. **M. carpinifolium**, A. Gray, Plant. Fendler. p. 22, adnot.;
Walp. Ann. ii. p. 152, cum syn. — c. p. 3614.
HAB. Colombo, *Mr. W. Ferguson*.

61. Lin. 5. Dele "3596."

78. Pro "4. GLYCYCARPUS, Dalzell," substitue:

4. **NOTHOPEGIA**, Blume, Benth. et Hook. f. Gen. Pl.

Glycyarpus, Dalzell

1. **N. Colebrookiana**, Blume, Mus. Bot. Lugd. Batav. p. 203;
Walp. Ann. ii. p. 281 — *Pegua (?) Colebrookiana*, Wight, Ic. t. 236.
Glycyarpus racemosus, Dalz. (Walp. l. c. p. 286); hujus Enum.
p. 78. — c. p. 1260

81 "CROTALARIA, Linn." Adde:

24. **C. Willdenowiana**, DC. (W. et A. Prod. i. p. 191, cum
syn.) — c. p. 3853.

HAB. Colombo, *Mr. W. Ferguson*.

84. "**Sesbania aculeata**, Pers." Adde: Var. *sericea*, Benth. MSS.
— c. p. 3850

HAB. Colombo, *Mr. W. Ferguson*.

87. "**Desmodium ormocarpoides**, DC." Adde: Prod. ii. p. 327. —
c. p. 3812

Post "(*Hb. Hook.*)" adde: Matelle East.

91. "RHYNCHOSIA, Lour." Adde:

1/1. **R. suaveolens**, DC. (W. et A. Prod. i. p. 240, cum syn.) —
c. p. 3851.

HAB. Near Trincomalee, *Rev. S. O. Glenie*.

95. "CASSIA, Linn." Adde:

15. **C. obtusa**, Roxb. (W. et A. Prod. i. p. 288, cum syn.) —
c. p. 3843.

HAB. Trincomalee, *Rev. S. O. Glenie*.

Mr Glenie has also sent me, from Trincomalee, the foliage of what I take
to be *Cassia suffruticosa*, Kœnig.

Page

119. "*Careya arborea*, Roxb." Post "100.)" adde: An *C. sphaerica*, Roxb. Fl. Ind. ii. p. 636; Wight, Ic. t. 556? Et pro "biserialia" in descript. substitue: 2-6-serialia.
124. "*Zanonia Indica*, Linn." Adde ad descriptionem:
 FLOR. FORM. *Calycis* lobi 3-4, valvati, late triangulares, acuti, 2 lin. longi. *Petala* 5, imbricata, carnosae, ovato-oblonga, obtusa, pallide ochracea, 4 lin. longa, apicibus aestivatione valde incurvatis. *Stamina sterilia* 5, petalis alterna, breviora, alba, truncata. *Styli* 3, lobis calycinis parum breviores, late conici, divergentes, facie interna per longitudinem sulco angusto notati, ad apicem stigmatosi, bifidi, lobis reflexis. *Ovarium* 3-loculare, obconico-cylindricum, 6 lin. longum; loculis longis, 2-ovulatis; ovulis ab apice loculi pendulis, anatropis.
128. "*Begonia Thwaitesii*, Hook." Post p. 894, adde: An *B. tenera*, Dryand. in Linn. Trans. i. 169, t. 16.
151. "BORRERIA, Mey., DC." Adde:
 2. *B. tetracocca*, Thw.; herbacea, procumbens, ramis elongatis, acute tetragonis, parum compressis, foliis lanceolatis, subsessilibus, scabris; stipulis lanceolatis, marginibus nervoque dorsali dense hispido-ciliatis; floribus paucis, 2-3 ad apices ramulorum brevium axillarium; calyce hispido, dentibus 4 lanceolatis obtusiusculis; corollae tubo longiusculo, ovario quadriloculari, loculis monospermis; stigmatibus bifido, piloso.—c. p. 3859.
 HAB. Colombo, Mr. W. Ferguson.
176. "ISONANDRA, Wight." Adde:
 5/1. *I. lanceolata*, Thw.; glabra, partibus junioribus fasciculisque florum adpresse ferrugineo-pilosis; foliis lanceolatis vel oblongo-lanceolatis, obtuse acuminatis, subcoriaceis, superno planis, subtus opacis inconspicue venosis, basi acutis, longiuscule petiolatis; pedicellis petiolo brevioribus vel subaequilongis.—c. p. 3679.
 HAB. Near Cultura.
Arbor mediocris. *Folia* 3-5 poll. longa, 7-14 lin. lata, petiolo pollicari. *Fasciculi* 3-6-flori. *Calyx* 4 lin. longus
200. "*Fagraea Zeylanica*, Thunb." Adde. c. p. 1824.
204. "CANSCORA, Lam."
 Pro "4. *C. perfoliata*, Lam." et seq. substitue:
 4. *C. Roxburghii*, Arn. (Miquel, Anal. Bot. Ind. iii. p. 11.)—*C. perfoliata*, Griseb. in DC. Prod. ix. p. 65 (haud Lam.); Wight, Ic. t. 1327, f. 2.—c. p. 1874.
209. "SESAMUM, Linn." Adde:
 2. *S. occidentale*, Heer et Regel. (DC. Prod. ix. p. 250.)—c. p. 3852.
 HAB. Trincomalie, Rev. S. O. Glenie; Colombo, Mr. W. Ferguson. A common weed in the Botanic Garden, Peradenia.

Page

A. S. Indico tota planta pilosiore, floribus fusco-purpureis, capsula obtusa, et seminibus majoribus differt.

221. "CHRISTISONIA, Gardner." Dele:
"et forsan *Campbellia*, Wight, et *Oligopholis*, Wight, Ic."
222. "*Christisonia unicolor*, Gardn." Dele: "An *Campbellia cytinoides*, Wight, Ic. t. 1425, cum syn.?"
230. "BARLERIA, Linn." Adde:
8. *B. nitida*, N. ab Es. in DC. Prod. xi. p. 224; Wight, Ic. t. 454.—c.p. 3849.
HAB. Trincomalie, *Rev. S. O. Glenie*.
230. "*Barleria cristata*, Linn." Adde: c.p. 2899.
246. "SALSOLACEÆ." Adde:
2/1. SALICORNIA, Tourn., Moquin.
1. *S. brachiata*, Roxb. (Moq. in DC. Prodr. 13-2, p. 145, cum syn.; Wight, Icon. t. 738.)—c.p. 3855.
HAB. Jaffna, *Mr. W. Ferguson*, common.
267. "*Sponia orientalis*, Planch." Adde: c.p. 2203.
277. "EUPHORBIACEÆ." Adde:
22/1. CROZOPHORA, A. Juss., Baillon.
1. *C. Rottleri*, A. Juss. Euphorb. Tent. p. 28.—c.p. 3854.
HAB. Nillevely, near Trincomalie, *Rev. S. O. Glenie*.
291. "TRICHOPODIUM, Lindl."
Hoc genus certe, ut clar. Klotzsch indicavit, melius DIOSCORIACEIS adsociandum est.
335. "*Amorphophallus Zeylanicus*, Blume." Adde ad descript.:
A. (?) sylvaticus, Kunth, Enum. iii. p. 34. *Brachyspatha sylvatica*, Schott, Syn. Aroid. p. 35. *Arum sylvaticum*, Roxb. (Wight, Ic. t. 812.)—c.p. 3733.
HAB. Nillevely, near Trincomalie, *Rev. S. O. Glenie*.
339. "LILIACEÆ." Adde:
7/2. UROPETALUM, Gawl.
1. *U. montanum*, Dalzell in Hook. Kew Journ. of Bot. v. 2 (1850), p. 142.—c.p. 3856.
HAB. Lakkaigalla, Matelle East, *Mr. Thos. W. N. Beckett*.
355. "*Carex Walkeri*, Arn." Dele "not" ante "very common."
358. "PANICUM, Linn." Adde:
35/2. *P. sordidum*, Thw.; fluitans, culmis elongatis, ramosis, ad nodos pilosis; foliis lanceolatis, reflexis, quam vagina glabra brevioribus, superne pilosulis, subtus glabris, margine scabris; panicula racemiformi, ramis parum confertis, suberectis, singulis spiculam unicam gerentibus et in setam scabram spicula longio-

Page

rem productis; *spicula* lanceolata, acuminata, brevipedicellata; *gluma inferiore* brevi, truncatula vel emarginata, subnervia, pallida; *superiore* multoties longiore, lanceolata, hispida, circiter 9-nervia; *flore masculo* glabro quam *gluma inferior* parum brevior; *palea inferiore* sub-7-nervia, quam *flos fœmineus* membranaceus ovato-lanceolatus brevistipitatus duplo longiore.—*Chamaraphis depauperata*, N. ab Es., Wight's List, n. 1654 (haud *P. depauperatum*, Muhl.).—c.p. 3857.

HAB. Colombo, Mr. W. Ferguson.

Folia pollicaria, circiter 1 lin. lata *Panacula* 1-1½ poll. longa. *Spiculae* 2 lin. longæ, pallide virides

P. aspero, Wight, affinis, sed species satis distincta

359. Pro "13. *P. cruciforme*," lege: "*P. eruciforme*."

364. "*Ischæmum barbatum*, Retz." Adde ut synonyma: *Meoschium monostachys*, W. et A., Steud. Synops. Gram. p. 369.

369. "*Dimeria ornithopoda*, Trin., var. δ ." Adde ut synonyma: *Pterygostachium Lehmanni*, N. ab Es., Steud. Syn. Gram. p. 413.

370. "*Polypogon Monspelienis*, Desf." Adde ut synonyma: *P. Zeylanicus*, N. ab Es. Syn. Gram. p. 183.

372. "*Gymnopogon rigidus*, Thw.," est *Dichataria Wightii*, N. ab Es., Steud. Syn. Gram. p. 145.

372. "*Megalachne Zeylanica*, Thw.," est *Eriachne tristis*, N. ab Es., Steud. Syn. Gram. p. 237.

375. "ARUNDINARIA, Rich." Adde:

3. *A. Wightiana*, N. ab Es. (Steud. Syn. Gram. p. 335.)—c.p. 3860.

HAB. Pedrotalagalla, in the Central Province.

392. "ASPIDIUM, Sw."

"e. *Lastrea*." Adde

31/1. *A. undulatum*, Thw.; *frondibus* tripinnatis, deltoideis, cum stipite stramineo paleaceo æquilongo bipedalibus; *rachi* geniculato-flexuosa; *pinnis primariis secundariisque* deltoideo-lanceolatis, alternis, ad racheos geniculas elegantule deflexis, *pinnulis* rhomboideo-oblongis, plus minus decurrentibus, parce crenulato-dentatis; *sortis* solitariis vel paucis, a margine pinnulæ et costula æquidistantibus; *indusio* orbiculari, parum reniformi, demum reflexo nec plicato-contorto.—c.p. 3858.

HAB. Wattakelle, Kalliboka, Mr. Thos. W. N. Beckett

Aspid. sparso, Spr. var. β affinis, sed differt rachis flexuosa, ramis deflexis et fronde magis composita.

394. "POLYPODIUM, Linn."

Pro "*P. elongatum*, Wall. (Hook. l. c. p. 234)," substitue:

P. Walkeræ, Hook. l. c. p. 233.

401. "TRIUMFETTA, Plum."

Pro "1. *T. pilosula*, Thw.," substitue:

3. *T. neglecta*, W. et A. (Prod. i. p. 75.)

INDEX OF NATIVE NAMES.

	Page		Page
Aachariyapaloo	89	Bureya-gass	103
Ac-malla	165	Bauoo-deyaulla	123
Ahalla-gass	95	Bauoo-gass	279
Ahoo-gass	145	Bakmee-gass	137
Aikawaireya	191	Bala-gass	78
Akka-paana	129	Balloo-dang	174
Alanga	211	Balloonakoota	241
Alareya-gass	72	Baloleyā	86
Albadda-gass	59	Bandoon-wel	291
Allandoo-gass	263	Batta-gass	376
Aluobo-gass	116	Batta-domba-gass	116
Aloo-gass	320	Batta-kerilla-gass	54
Amba-kaha	316	Battoo-karawilla	126
Ambala	205	Bellipatta	26
Ambaralla-gass	78	Bim-pol	339
Ammoo	358	Bim-dadakeeriya	269
Amookkara	217	Budara	203
Andanahiriya	81	Bui-karral-habba	249
Andara-gass	99	Bui-kohomba-gass	59
Auoda	27	Bui-uoga	197
Appela	31	Bui-seymbala	96, 97
Arianana	96	Bui-tal	291
Aswenna	87	Bui-tambooroo	211
At-addeya	161	Bo-gass	264
Atambooroo-gass	200	Bokaara-gass	71
Atbannkeeriya	320	Bomboo-gass	184
At-demmata	244	Bo-mee-gass	255
At-nanenchee	209	Boo-ambilla-gass	289
Attaiieya	45	Boo-dadakeeriya	269
Attakirilla-gass	71	Boogatteya	25
Atta-kirindi-wel	201	Boo-hora-gass	33
Attamba-gass	75	Boo-kanda-gass	272
Attameeriya	213	Boo-kattoo-hauda	215
Attatora	91	Bookinda	12
Attawarella-gass	59	Boolat-wel	292
Atteekka-gass	267	Booloo-gass	103
Attoona	29	Boo-nooga-gass	265
Attora	360	Boo-pilla	84
Awaree	83	Booroola-gass	64
Babilla	27	Booroota-gass	61
Badoolla-gass	76	Boo-sairoo-gass	243
Bairuleya	35	Boo-tora	96
		Bootsarana	320

	Page		Page
Bowittēya	104, 106	Eepaatta	133
Caahēpittang	13	Fercerajah	313
Caaleya	31	Ecereya-gass	11
Cabal-mārū-gass	100	Ellā-dadakceriya	268
Cadjoo-gass	75	Ellā-gokatoo-gass	50
Cadol-gass	120	Ellā-midella-gass	119
Cahaata-gass	119	Ellā-nettol	245
Calateya-gass	100	Ellawel	319
Calla-wel	92	Ensal	318
Calooaara	7	Ereeweriya	238
Canna-gona-gass	262	Eremoosoo	195
Carawilla-cabilla-gass	289	Errabadoo-gass	89
Carrow-gass	281	Erraminicya-wel	74
Cobbar-gass	55		
Colong-gass	137	Gadoomba-gass	267
Cōng-gass	58	Gahala	335
Cora-caha	111	Gal-karanda	97
		Gal-kopprawalleya	238
Daawoo-gass	103	Gallis-gass	159
Dada-kaha	316	Gal-mendora-gass	97
Dada-kaihel	336	Gal-mora-gass	102
Dalook-gass	268	Gal-seyimbala-gass	97
Dang-gass	117	Gal-weraloo-gass	32
Dat-kateya	9, 139	Gam-miris-wel	293
Dawal-kooroondoo-gass	257	Gammaloo-gass	92
Dawata-gass	121	Gandapaana-gass	43
Del-gass	262	Gang-kolang-kola	239
Deya-danga-gass	206	Gang-met	175
Deya-eringoo	72	Gass-dool	261
Deya-habarella	321	Gass-kaala	89
Deya-kirilla	209	Gass-kahambillya	259
Deya-kirindi-wel	52	Gass-kappiteya	275
Deya-mānil	324	Gass-karral-habba	249
Deya-midella-gass	119	Gass-kyla	285
Deya-mitta	13	Gass-nettool	266
Deya-nā-gass	50	Gass-nidikoomba	99
Deyanella	208	Gass-pinna	243
Deyapara	4	Gass-pitcha	154
Deya-parandella	331	Gatta-cola	142
Deya-ratmal	97	Gatta-demmata	244
Deya-seyembala	85	Gatta-nettool	264
Deya-wawoolatteya	95	Gattatoomba	241
Diwi-addeeya	212	Geddekillala-gass	123
Diwi-kadooroo-gass	192	Gendakola	23
Diwool-gass	48	Gherriatta-gass	189
Dodang-paana-gass	45	Gim-pōl	327
Domba-keena-gass	52	Girripatā	321
Domba-gass	51	Girritilla	209
Dool	194	Goda-kadooroo-gass	201
Doon-gass	35	Goda-mānil	324
Doonoo-kaiyea	327	Godapara	5
Dootoo-satootoo	220	Goda wawool-atteya	95
Dorana-gass	34	Gojabbā	357
Dotaloo-gass	328	Gokatoo-gass	49
		Goloo-bailoo	323
Eela-gass	243	Goloo-mora-gass	254
		Gona-gass	180

	Page		Page
Gona-kola	218	Imbool-gass	28
Gonapittan-wel	188	Indee (<i>Phoenix sylvestris</i>)	329
Gona-wel	188	Indooroo	340
Gōng-kakiree	127	Ingini-gass	201
Gōng-kadooroo-gass	201	Itta	132
Gooranda-gass	267		
Goraka-gass	48	Jaawaal	326
Goyang	357		
Goya-wel	340	Kaakoona-gass	79
		Kabella-gass	288
Haamanilla	239	Kadoombaureya-gass	181
Habarella	336	Kadoopara	166, 167
Haddoka-gass	274	Kadoorookettya-gass	103
Hakambala	128	Kaha	316
Hakkarilla	216	Kaha-andanaheriya	81
Halamba-gass	137	Kaha-kaala-gass	179
Hal-gass	37	Kaha-pettang	98
Hal-mihilla	32	Kahata-kondol	326
Hampalanda-gass	103	Kakala-gass	9
Hampai Andella-gass	273	Kallandooroo	343
Hainpilla	92	Kaloo-habaraleya-gass	183
Hampiuna	86	Kaloo-kadoombaureya-gass	180
Hanna	81	Kaloo-kangwareya	216
Haran-kaha	316	Kaloo-midereya-gass	180, 181
Hiātāwaureya	337	Kaloowara-gass	180
Hiwarec-maddoo	211	Kaloowaraneya	233
Heen-ambilla-gass	289	Kana-goraka-gass	49
Heen-appela	25	Kanda-gass	274
Heen-bintal	324	Kandalla	335
Heen-bowittaya	104	Kangkoombala	195
Heen-gendakola	23	Kangkoombala-gass	71
Heen-gotoocola	130	Kangkoombala-kattaya-gass	102
Heen-himbootoo-wel	53	Kangkooong	211
Heen-kabarosa	338	Kanna-kidāian	335
Heen-moodoomahana	164	Kāooloo	361
Heen-maapiritta	26	Kappooroo	170
Heen-ondoopeyelli	86	Kappooroo-gass	308
Heen-talla	236	Kappootoo-bo-gass	265
Heen-tambala	214	Karanda-gass	191
Herimanadatta	241	Karapinchee-gass	46
Hig-gass	78	Katakaloowa	106
Hik-gass	78	Katambilla	18
Himbootoo-wel	53	Kattakaala-gass	279
Hingool-gass	60	Katta keerya	320
Hingooroo-wel	99	Kattaya-gass	68
Hiritalla	326	Kattoo-andara-gass	90
Homedereya-gass	181	Kattooobodde	28
Hondala	128	Kattoo-herleya-gass	28
Hondapara	5	Kattoo-keena-gass	69
Hoolanghik-gass	61	Kattoo-kenda-gass	17
Hoolankeerya	320	Kattoo-kittool-gass	328
Hoonoo-kirilla-gass	285	Kattoo-koorondoo-gass	16, 17
Hoorakandoo-gass	72	Kattoo-imbool-gass	28
Hooree-ināra-gass	100	Kattoo-oona-gass	375
Hora-gass	33	Kattoo-pilla	281
		Kattoo-timbool	263
Illook	369	Kattoo-wel-battoo	217

	Page		Page
Kattoo-wella	326	Mā-banda	209
Keekirrindee	164, 357	Mā-bintal	324
Keena-gass	51	Mā-dang-gass	116
Ken-banda	243	Madara-gass	280
Kerindi-wel	80	Madateya-gass	98
Kettula	334	Maddeya-gass	191
Kidaran	835	Maddo-gass	294
Kirri-angoona	199	Mādeya-jāwala	325
Kirri-baddoo	210	Madol-gass	49
Kirri-handa	247	Madooroo-taloo	236
Kirri-kōng-gass	61	Magoolkaranda-gass	92
Kirri-kondōl	326	Maha-badoolla-gass	75
Kirri-makooloo-gass	269	Maha-bairoo-gass	279
Kirriwalla	145	Maha-booloo-mora-gass	79
Kirriwalla-gass	194	Maha-bowittea	106
Kirriwarala-gass	178	Maha-deya-dool	260
Kirriwel	194	Maha-doomooda	210
Kittool-gass	329	Maha-erramineya	74
Kohōmba-gass	60	Maha-gotoocola	130
Kok-mota	341	Maha-kabarosa	338
Kokoon-gass	52	Maha-kohilla	336
Koloowala	319	Maha-nooga-gass	265
Koolāloo-mal	65	Maha-oodoopeyili	86
Koodoo-kooroondoo-gass	253	Maha-yakwanassa	241
Koodoo-morris-wel	69	Mainairee	360
Koombaloo-gass	69	Makooloo-gass	19
Koombook-gass	104	Malabodde	11
Koombooroo-wel	95	Malulaboo	292
Kooppamineya	271	Malkaara-gass	70
Koorakkan	371	Malla	42
Koora-tampala	248	Mallabattoo	216
Kooroondoo-gass (<i>Cinnamomum</i>)	252	Mandoua-gass	37
Kopprawallea	238	Maoosa-gass	259
Korasawl	2	Marang-gass	118
Kosbadda-gass	254	Mā-ratinal-gass	71
Kōs-gass (<i>Alcornpus integrifolia</i>)	262	Masmoroo-gass	98
Kota-dimboola-gass	267	Matabimbeya-gass	172
Kotakan-babilla	28	Mā-waiwel	330
Kowakka	128	Mee-gass	175
Lainaterri-gass	328	Mee-gōng-karapunchee	46
Lawooloo-gass	174	Meemut-māia	100
Layoo	356	Meriya-gass	176
Leeneya-gass	28	Mecyan-mihilla-gass	244
Leeyang-gass	79	Middee-gass	242
Lingoorella	326	Mihilla-gass	244
Loloo	214	Mokoono-wanna	250
Loukenda	316	Monera-koodimbeya	160
Loonoo-ankenda-gass	69	Monera-pattang	338
Loonoo-dang-gass	173	Moodoo-bin-tambooroo	211
Loonoo-madala-gass	206	Moodoo-dadakeeriya	269
Loonoo-midella-gass	59	Moodoo-kadooroo-gass	192
Loonoo-warana	15	Moodoo-kariya	327
Loonoo-weela	218	Moodoo-moroonga	94
Maana	367	Moonemal-gass	175
Maassenda	138	Moohoodoo-gattacola	151
		Moonoota-gass	122
		Moowa-keeriya	196

	Page		Page
Mora-gass	58	Pitcha	189
Myla-gass	98	Pitta-sooddoo-pala	245
Naapiritta	26	Pittawaaka	282
Nadoong-gass	93	Pöl-gass	230
Nä-gass	50	Pöl-hoonoopala	248
Naha-gass	251	Poopoola	160
Narawella	1	Poos-wel	93
Natton-gass	9	Poowak-gass	327
Nawa-bandee	268	Pota-wel	337
Nelli-gass	282	Radaleya-gass	80
Nelloo	223	Ranawarā	96
Neyadandoo	316	Rankeeriyā	327
Neyadasse-gass	41	Ranmanissa	340
Neyanda	338	Ranwau-keekerindi	165
Neyangalla	339	Rasnee	170
Neyang rata-coloo	126	Rassakinda	12
Nikka-gass	244	Rata-boolat-wel	292
Nil-andauahiriya	81	Rata-ensal	318
Nil-katarodoo	88	Rata-gowa	129
Nil-pitcha	153	Ratambala	155
Nooga-gass	265	Rata-tora	90
Odootlau	239	Rat-kihiri-gass	99
Okaiyeyā	327	Rat-nettol	245
Okooroo-gass	272	Ratoo-waa	95
Ohinda-wel	91	Rat-pittawaakka	270, 282
Oloo	205	Rawaniddala-gass	59
Oogoorasse-gass	17	Rawaniddala (<i>Wendlandia</i>)	159
Oolooloo-gass	254	Ritti-gass	264
Oona-gass	375	Rookattana-gass	194
Oonoonoo-gass	103	Rook-gass	11
Oorookannoo-gass	43	Saarana	23
Ooroo-tora	95	Saayam-mool	144
Ooyala	326	Saipaala-gass	190
Panwetta	233	Sannadera-gass	70
Painara-wel	54	Srenook-gass	268
Pamee-bāroo	366	Seewana-maddeya-gass	266
Palang-gass	72	Seyimbala-gass	95
Palenga-gass	287	Suibo	292
Paloo-gass	175	Soodoo-kadoombaieya-gass	179
Pambootoo-gass	45	Soodoo-ulda	193
Pangaree-koorondoo-gass	253	Soodoo-leyang-gass	281
Panoo-alla	335	Soodoo-nikka-gass	241
Panoo-condol	326	Soodoo-pootoo-gass	233
Panoo-kaara-gass	117	Soodoo-toomba	240
Pat-kaala-gass	280	Soorcyā-gass	27
Patook-gass	268	Soovunda-gass	50
Pat-paadagau	24	Taccūla	169
Patta-appelle	25	Taccada-gass	189
Pawetta	156	Taiboo-gass	320
Pehimbā-gass	59	Tal-gass	329
Pelilla	133	Talla-gass	329
Penella-gass	55	Tambaleya-gass	114
Pennit-tora	95	Tammanna-gass	428
Pilla	84	Tampala	247

	Page		Page
Tanna-patir	322	Wal-kaihel-gass	321
Tarrana-gass	153	Wal-kakoona-gass	273
Telembo	29	Wal-karapinchee-gass	47
Tellakeeriya-gass	269	Wal-kidāran	335
Tel-talla	209	Wal-kolondoo	163
Tetti-gass	19	Walla-gass	251
Tetti-wel	12	Wallangereya	47
Tibbootoo	217	Walloo-keena-gass	51
Timberee-gass	173	Wal-loonoo	324
Tinneya-gass	35	Wal-maa	89
Tippili	292	Wal-mooroonga	235
Titta-hondala	127	Wal-patpaadagam	144
Tolabo	324	Wal-rasakinda	124
Toomba-karawilla	126	Wal-sappoo-gass	5
Toompat-kooroondoo	45	Wall-teekola	165
Totilla-gass	206	Wal-tibbootoo	217
Trasta-waloo	212	Wal-wareka	19
		Wanna-rajah	314
Vatta-coloo	126	Waranneya	142
Velenga-gass	30	Warra	196
Visnoo-kraanta	213	Wayoopaloo	1
		Weela	219
Waa-gass	96	Weera-gass	287
Waaweya	12	Wel-ambilla	172
Wadakaha	337	Wel-kahambilleya	270
Wala	14	Wel-kappiteya	275
Wai-wel	330	Wel-kyla	232
Wall-ahalla-gass	96	Wellapeyenna-gass	119
Wall-ahattoo	266	Welle-wenne-gass	278
Wal-asamodagan	130	Welhecha	110
Wal-awara	88	Weniwel	12
Wal-biling-gass	69	Weraloo-gass	32
Wal-solloo	91	Wissak-mal	297
Wal-copee	157		
Wal-gammirris-wel	293	Yakbaureya	81, 82
Wal-gona-gass	266	Yak-errabadoo-gass	89
Wal-gooranda	243	Yak-komadoo	126
Wal-ingooroo	315	Yakwanassa	240
Wal-jambo-gass	115	Yuccahaaloo-gass	35
Wal-kaha	316	Yucca-naara-gass	46
Wal-kahambilleya	259		

INDEX OF C.P. NUMBERS.

C. P.	Page	C. P.	Page	C. P.	Page	C. P.	Page
1 . . .	375	44 . . .	161	87 . . .	143	130 . . .	373
2 . . .	155	45 . . .	177	88 . . .	143	131 . . .	341
3 . . .	846	46 . . .	177	89 . . .	235	132 . . .	166, 422
4 . . .	131	47 . . .	177	90 . . .	237	133 . . .	150
5 . . .	282	48 . . .	48	91 . . .	141	134 . . .	101
6 . . .	64, 409	49 . . .	65	92 . . .	145, 420	135 . . .	131
7 . . .	22, 400	50 . . .	267	93 . . .	141	136 . . .	100
8 . . .	33	51 . . .	152	94 . . .	141	137 . . .	204
9 . . .	4	52 . . .	105	95 . . .	143, 419	138 . . .	106
10 . . .	255	53 . . .	251	96 . . .	141	139 . . .	142
11 . . .	114	54 . . .	282	97 . . .	142	140 . . .	65
12 . . .	81	55 . . .	91	98 . . .	143, 419	141 . . .	5
13 . . .	140	56 . . .	118	99 . . .	141	142 . . .	234
14 . . .	265	57 . . .	146, 420	100 . . .	359	143 . . .	215
15 . . .	174	58 . . .	85	101 . . .	141	144 . . .	370
16 . . .	237	59 . . .	364	102 . . .	140	145 . . .	131
17 . . .	238	60 . . .	373	103 . . .	141	146 . . .	123
18 . . .	147	61 . . .	341	104 . . .	142	147 . . .	163
19 . . .	163	62=44	161	105 . . .	143	148 . . .	72
20 . . .	160	63 . . .	107	106 . . .	143	149 . . .	170
21 . . .	162	64 . . .	17, 400	107 . . .	142	150 . . .	160
22=579	73	65 . . .	370	108 . . .	142	151 . . .	167
23 . . .	186	66 . . .	229	109 . . .	141	152 . . .	162
24 . . .	369	67 . . .	27	110 . . .	140	153 . . .	20
25 . . .	54	68 . . .	286	111 . . .	141	154 . . .	239
26 . . .	239	69 . . .	368	112 . . .	142	155 . . .	186
27 . . .	161	70 . . .	373	113 . . .	142	156 . . .	65
28 . . .	174	71 . . .	283	114=88	143	157 . . .	153
29 . . .	264	72 . . .	257	115 . . .	141	158 . . .	148
30 . . .	288	73 . . .	136	116 . . .	142	159 . . .	12
31 . . .	65	74 . . .	256	117 . . .	143	160 . . .	118
32 . . .	367	75 . . .	338	118 . . .	152	161 . . .	12
33 . . .	239	76 . . .	20	119 . . .	141	162 . . .	228
34 . . .	165	77 . . .	114	120 . . .	141	163 . . .	77
35 . . .	293	78 . . .	186	121 . . .	143	164 . . .	160
36 . . .	174	79 . . .	255	122 . . .	143	165 . . .	184
37 . . .	252	80 . . .	146, 420	123 . . .	141	166 . . .	33
38 . . .	203	81 . . .	364	124=88	143	167 . . .	256
39 . . .	136	82 . . .	150	125 . . .	144	168 . . .	13
40 . . .	255	83 . . .	252	126 . . .	141	169 . . .	13, 160
41 . . .	351	84 . . .	237	127 . . .	187	170 . . .	112
42 . . .	170	85 . . .	231	128 . . .	244	171 . . .	73
43 . . .	71	86 . . .	141	129 . . .	104	172 . . .	33

C.F.	Page	C.F.	Page	C.F.	Page	C.F.	Page
173	108	230	255	287	111	343	239
174	188	231=163	77	288	202	344	150
175	12	232	4	289	146, 420	345=265	2
176	370	233	268	290	146, 420	346	202
177	59	234	164	291	117	347	138
178	282	235	175	292=42	170	348	145, 420
179	177	236	860	293	59	349	109
180	45, 406	237	332	294	161	350	116
181	17, 400	238		295	136	351	255
182	130	239	2	296	282	352	207
183	195	240	224	297=148	72	353	109
184	22	241	376	298	184	354	146
185	158	242	52	299	5	355	149
186	232	243	94	300	59	356	257
187	201	244	6	301	235, 229	357	146, 420
188	46	245	159	302	240	358	208
189	251	246	78	303=3789		359	139, 419
190	154	247	351, 435	304	156	360	255
191	177	248	4	305		361	145, 420
192	177	249	236	306	351	362	138
193	243	250	203			363	202
194	10	251	44, 405	307=23	186	364	224
195=185	158	252	274	308	338	365	114
196	278	253	3	309	227	366	327
197	126	254	228	310	230	367	82
198	134	255	231	311=266	229	368	185
199	352	256	92	312	371	369	197, 424
200	293	257	234	313	77	370=358	208
201	74	258	286	314	362	371	39, 404
202	71	259	28	315	159	372	67
203	290	260	22, 400	316	32	373	7
204	42	261	180	317	252	374	71
205	139	262	290	318=34	165	375	44, 405
206	251	263	252	319=42	170	376	174
207	310	264	237	320	283	377	341
208	105	265	2	321	256	378	341
209	91	266	229	322	49	379	266
210	152	267	156	323	80	380	118
211	17, 400	268	139	324	98	381	133
212	241	269	82	325	243	382	181
213=152	162	270	170	326		383	312
214=203	290	271	187	327	282	384	314
215	139	272	167	328	97	385	107
216	161	273	185	329	71	386	69
217	239	274	118	330=2516		387	111
218	71	275	188	331	267	388	79, 410
219	346	276	108	332	67	389	161
220	341	277	172	333	149	390	149
221	11	278	171	334	138	391	150
222	64	279	92	335	49	392	253
223	255	280	81	336	136	393	253
224	91	281	374	337	100	394	177
225	131	282	361	338	5	395	207
226	310	283	239	339	4	396	270
227	308	284	104	340	146, 420	397=9	4
228	234	285	173	341	201	398	235
229	221	286	138	342	285	399	235

INDEX OF C.P. NUMBERS.

455

C.P.	Page	C.P.	Page	C.P.	Page	C.P.	Page
400	24	456	259	513	162	570	94
401	366	457	202	514	309	571	
402	71	458	156	515	131	572	68
403	163	459	167	516=203	290	573	183
404	234	460=164	160	517	22	574	297
405	60	461	237	518	300	575	133
406	155	462=156	65	519	264	576	5
407	186	463	115	520	1	577	276
408=203	290	464	64, 409	521	170	578	277
409	72	465	20	522	308	579	73
410=15	174	466	142	523	310	580	59
411	367, 437	467	291	524	84, 85	581	167
412	136	468	18	525	220	582	184
413	258	469	250	526	82	583	237
414	254	470	118	527	239	584	139, 419
415	19	471	78	528	166, 422	585	148
416	11	472	189	529	170	586	148
417	255	473	184	530	131	587	255
418	115	474	135	531	170	588	118
419	366	475	188	532=19	163	589	73
420	166	476	68	533	167	590	333
421	33	477	183	534=203	290	591	225
422	146, 152, 420	478	73	535	218	592	22, 400
423	116, 420	479	136	536	59	593	296
424	5	480	136	537=335	49	594	162
425	237	481	136	538	69, 409	595	188
426	107	482=216	161	539	32	596	279
427	383	483	265	540	129	597	313
428	156	484	139	541	129	598	314
429	376	485	301	542	207	599=598	314
430	167	486	107	543	296	600	105
431	110	487	160	544	202	601	115
432	283	488	304	545	28	602	50
433	150	489	304	546	335	603	50, 407
434	22	490	68	547	65	604	404
435	167	491	290	548	170	605	56
436	67	492	43	549	132	606	232
437	9	493	54	550	312	607	56
438	187	494=475	188	551	163	608	
439	93, 414	495	42	552	236	609	115
440	202	496	60	553	323	610	173
441	104	497	44	554	32	611	213
442	149	498	242	555	184	612	320
443	57	499	210	556=335	49	613	300
444	167	500=189	251	557	275	614	15
445	114	501	282	558	60	615	9
446	3	502	251	559	132	616=491	290
447	123	503	65	560	163	617	5
448	155	504	184	561	158	618	103
449 (499 in err.)		505	152	562	55, 408	619	176
	139, 418	506	105	563	71	620	328
450	373	507	106	564		621	32
451	123	508	131	565	167, 142	622	184
452	118	509	234	566	160	623	173
453	67	510	283	567	161	624	32
454	363	511=150	160	568	166, 422	625=42	170
455	65	512	203	569	71	626	185

INDEX OF C.F. NUMBERS.

	Page	C.F.	Page	C.F.	Page	C.F.	Page
628	153	634	153	740	174	799	848
629	253	635	68	741	173	800	849
630	17,400	636	235	742	156	801	842
631	32	637	237	743	50	802	843
632	76,410	638	167	744	99	803	848
633	299	639=775	41	745=658	53	804	843
634	804	690	250	746	159	805	849
635	117	691	164	747	243	806	842
636	77	692=27	161	748	155	807	842
636=201	74	693=694	8	749	80	808	843
637	42	694	3	750	140	809	844
638	102	695	138	752	305	810	844
639=335	49	696 (695 in err.)		753	158	811	844
640=529	170		274	754	308	812	842
641	76,410	697	92	755	50	813	844
642	32	698	244	756	194	814	845
643	170	699	59	757	200	815	844
644	100	700	364	758	416	816	845
645	370	701	233	759	156	817	845
646	103	702	155	760	133	818	845
647	184	703	59	761	94	819	847
648=491	290	704	33	762	44,405	820	855
649=557	275	705	391	763	117	821	855
650	283	706=690	250	764	111	822	855
651	272	707	139,418	765	144	823	849
652	219	708	235	766	289	824	855
653	97	709	359	767	158	825	853
654	270	710	359	768=388	79	826	854
655	132	711	140	769=748	155	827	854
656	272	712	140	771	156	828	853
657	159	713	233,234	772	94	829	850
658	53	714	391	773	289	830	848
659	53	715	22,400	774	199	831	851
660	289	716	268	775	41,405	832	848
661	88	717	196	776	41,405	833	848
662=349	109	718=913	359	777	41	834	850
663	88	719=334	138	778	40,405	835	850
664	153	720	90	779	40,405	836	849
665	184	721=368	185	780	187	837	849
666	800	722	243	781=1658	137	838	849
667	300	723	218	782	40,405	839	843
668	350	724	190	783	41,405	840	848
669	148	725	67	784	41	841	843
670	167	726	27	785	41	842	849
671=167	256	727	26	786	41	843	849
672=638	102	728	154	787	41	844	840
673	185	729	255	788	40	845	853
674	257	730	81	789	341	846	850
675	33	731	50	790	341	847	851
676	185	732	64	791	341	848	846
677	352	733	114	792	341	849=41	351
678	343	734	28	793	341	850	351
679	347,434	735	117	794	341	851	350
680	1	736	58	795	341	852	347,434
681	166	737	337	796	341	853	352,424
682	232	738	199	797	344	854	350
683	183	739	155	798	348	855	344

INDEX OF G. E. NUMBERS.

455

G. E.	Page	G. E.	Page	G. E.	Page	G. E.	Page
866	358	913	359	973	891	1080	8
867	358	914	372	974	891	1081	6
868	358	915	370	975	392	1082	6
869	358	916	372	976	382	1083	8
860	358	917	366	977	381	1084	10, 398
861	358	918	360	978	387	1085	10, 398
862	358	919	362	979=1314	380	1086	10
863	358	920	374	980	379	1087	9
864	359	921	374	981 (281)	381	1088	9
865	358	922	374	982	388	1089	11
866	368	923	374	983	389	1040	7
867	364	924	376	984	377	1041	10, 398
868	364	925	373	985	377	1042	9
869	364	926	373	986	377	1043	9
870	364	927	373	987	377	1044	9
871	368	928	373	988	395	1045	6
872	363	929	373	989	380	1046	278
873	364	930	373	990	391	1047	286
874	365	931	373	991	393	1048	267
875	365	932=925	373	992	391	1049	13
876	374	933	373, 371	993	396	1050	13
877	356	934	372	994	364	1051	12
878	357	935	374	995	368	1052	13
879	362	936	366	996	366	1053	12
880	361	937	371	997	340	1054	13
881	362	939	371	998=997	340	1055	12
882	360	940	366	999	340	1056	12
883	360	941	371	1000=796	341	1057=1050	13
884	373	942	357	1001	341	1058	15
885	361	943	363	1002=61	341	1059	15
886	359	944	363	1003	340	1060	15
887	359	945	363	1004		1061	53
888	359	947	362	1005	384	1062	15
889	359	948	370	1006	383	1063	16
890	360	949	368	1007	383	1064	15
891	359	950	369	1008	384	1065	15
892	360	951	367, 437	1009	1	1066	15
893	360	952	369	1010	383	1067	14
894	360	953	367	1011	1	1068	14
895	359	954	371	1012	1	1069	16
896	357	955	369	1013	4	1070	15
897	359	956	369	1014	2	1071	16
898	359	957	369	1015	2	1072	15
899		958	371	1016	2	1073	14
900	359	959	368	1017	14, 399	1074	264
901	359	960	362	1018=1019	14	1075	18, 400
902	359	961	366	1019	14	1076	17, 400
903	359	962	366	1020	14	1077	17, 400
904	359	963	366	1021	14	1078	41
905	359	964	360	1022	14	1079	22
906	361	965	343	1023		1080	22
907	361	966	343	1024	290	1081	22
908	361	967=241	376	1025	275	1082	22
909	361	968	369	1026	12	1083	22, 400
910	361	970	349	1027	12	1084	21
911	358	971	360	1028	5	1085	21
912	361	972	357	1029	7	1086	22

G.	Page	C.P.	Page	C.P.	Page	C.P.	Page
11	20	1144	29	1202	47	1260	78, 441
1088	21	1146	30	1203	46, 406	1261	78
1089	21	1147	41	1204	47	1262	95
1090	25	1148	60	1205	48	1263	78
1091	25	1149	79	1207	67	1264	81
1092	24	1150	57, 60	1208	67	1265	81
1093	250	1151	55	1209	67	1266	81
1094	24	1152	58, 408	1210	68	1267=1265	81
1095	24	1153	58, 408	1211	66	1268	81
1096	24	1154	58, 408	1212	66	1269	82
1097	24	1155	58	1213	65	1270	81
1098	23	1156	55	1214	42	1271	81
1099	245	1157	27	1215	42	1272	82
1100	23	1158	59	1216	42	1273	81
1101	24	1159	59	1217	20	1274	81
1102	23	1160	61	1218	42	1275	81
1103	23	1161	78	1219	42	1276	82
1104	23	1162	61	1220	103	1277	82
1105	31	1163	61	1221	71	1278	82
1106	31	1164	52	1222	70	1279	86
1107	31	1165	53	1223	70	1280	91
1108	32	1166	53	1224	70	1281	381
1109	32	1167	53	1225	72	1282	394
1110	31	1168	53	1226=43	71	1283	393
1111	31	1169=25	54	1227	73	1284	394
1112	31	1170	51	1228	72	1285	394
1113	31	1171	51	1229=579	73	1286	393
1114	29	1172	48	1230	67	1287	391
1115	32	1173	50	1231	79	1288	394
1116	121	1174	62	1232	72	1289	394
1117	26	1175	63	1233	75	1290	394
1118	26	1176	63	1234	158	1291	392
1119	26	1177	62	1235	72, 409	1292	382
1120	26	1178	63	1236	74	1293	382
1121	27	1179	63	1237	42	1294	395
1122	26	1180	62	1238	75	1295	395
1123	28	1181	62	1239	75	1296	395
1124	28	1182	62	1240	74	1297	395
1125	26	1183	62	1241	74	1298	395
1126	26	1184	63	1242	74	1299	390
1127	30	1185	25	1243	74	1300	390
1128	30	1186	27	1244	23	1301	395
1129	25	1187	25	1245	79	1302	382
1130	28	1188	61	1246	20	1303	381
1131	28	1189	64	1247	20	1304	381
1132	27	1190	64, 409	1248	19	1305	382
1133	27	1191	45	1249	69, 409	1306	} =1305 382
1134	27	1192	45, 406	1250	69	1307	
1135	27	1193	61, 409	1251	69	1308	} =1305 382
1136	30	1194	45, 405	1252	69	1309	
1137	28	1195	47, 48	1253=1252	69	1310	380
1138	28	1196	46, 405	1254	23, 401	1311	380
1139	278	1197	47, 406	1255	78	1312	380
1140	29	1198	44	1256	75	1313	380
1141	28	1199	45	1257	76	1314	380
1142	29	1200	45	1258	76	1315	380
1143	28	1201	47	1259=1257	76	1316	381

INDEX OF C.P. NUMBERS.

457

C.P.	Page	C.P.	Page	C.P.	Page	C.P.	Page
1817	381	1874	393	1430	87	1487	94
1818	381	1875	392	1431	86	1488=1487	94
1819	381	1876	393	1432	87	1489	92
1820	387	1877	393	1433	87	1490	92
1821	387	1878	393	1434	87	1491	93
1822	387	1879	388	1435	86	1492	93, 413
1823	387	1880	388	1436	86	1493	92, 413
1824	387	1881	388	1437	85	1494	92
1825	387	1882	388	1438	85	1495	92
1826	387	1883	388	1439	91	1496	94
1827	387	1884	389	1440	91	1497	98
1828	386	1885	389	1441	91	1498	18
1829	386	1886	389	1442	91	1500	97
1830	386	1887	389	1443	81	1501	95
1831=1048	387	1888	389	1444	84	1502	95
1832	386	1889	388	1445	84	1503	96
1833	381	1890	397	1446	81	1504	96
1834	383	1891	397	1447	81	1505	95
1835	385	1892	} =1390 397	1448=1447	84	1506	96
1836	383	1893		1449	81	1507	95
1837	383	1894	397	1450	86	1508	96
1838	383	1895	397	1451	84	1509	96
1839	384	1896	397	1452	82	1510	96
1840	384	1897	389	1453	83	1512	84
1841	384	1898	396	1454	83	1513	84
1842	386	1899	396	1455	83	1514	85
1843	385	1400	396	1456	83	1515	85
1844	385	1401	396	1457	83	1516	99
1845	385	1402=1398	396	1458	83	1517	100
1846	385	1403	396	1459	83	1518	100
1847	385	1404	379	1460	83	1519	99
1848	384	1405	379	1461	83	1520	99
1849	385	1406	379	1462	83	1521	99
1850	385	1407	379	1463	83	1522	
1851	386	1408	378	1464	89	1523	99
1852	385	1409	378	1465	89	1524	94
1853	385	1410	378	1466	91	1525	95
1854	390	1411	378	1467	91	1526	96
1855	390	1412	377	1468	88	1527	95
1856	390	1413=1412	377	1469	90	1529	100
1857	390	1414	377	1470	90	1530	100
1858	390	1415 (1115 in er-		1471	88	1531	103
1859	391	ror)	377	1472	90	1532	102
1860=1359	391	1416	377	1473	89, 412	1533	101
1861	392	1417	377	1474	90	1534	101
1862	392	1418	377	1475	90	1535	101
1863	391	1419	377	1476	90	1536	101
1864	392	1420	378	1477	88	1537	101
1865	393	1421	378	1478	90	1538=134	101
1866	389	1422	378	1479	89	1539	123
1867	390	1423	92	1480	89	1540	123
1868	392	1424	91	1481	88	1541	417
1869	392	1425	86	1482	90	1542	121
1870	392	1426	87	1483	89	1543	23
1871=1840	384	1427	87	1484	88	1544	121
1872	384	1428	87	1485	88	1545	123
1873	390	1429	86	1486	84	1546	122

O.P.	Page	O.P.	Page	O.P.	Page	O.P.	Page
1547	122	1604	103	1661	138	1718	147
1548	122	1605	103	1662	152	1719	147
1549	123	1606	126	1663	155	1720	148
1550 = 1102	23	1607	127	1664	138	1721	57
1551	122	1608	127	1665	157	1722 = 1155	58
1552	122	1609	128	1666	153	1723	145, 420
1553	122	1610	124	1667	152	1724 = 354	146
1554	122	1611	125	1668	145	1725	146, 420
1555	112	1612 = 197	126	1669	145	1726	146, 420
1556	111	1613	125	1670	208	1727	146, 420
1557 = 1561	111	1614 = 197	126	1671	139	1728	146, 420
1558	110	1615	126	1672	151	1729	160
1559	110	1616	125	1673	144	1730	163
1560	111	1617	126	1674	144	1731	163
1561	111	1618	127	1675 = 1674		1732	163
1562	111	1619	125	1676	144	1733	163
1563	110	1620	126	1677	200	1734	163
1564	110	1621	128	1678	144	1735	163
1565	110	1622	125	1679	144	1736	160
1566	110	1623	417	1680 = 1679		1737	160
1567	110	1624	126	1681	144	1738	160
1568	105	1625	127	1682	151	1739	163
1569	105	1626	127	1683	144	1740	162
1570	105	1627	128	1684	151	1741	160
1571	105	1628	124	1685	152	1742	160
1572	105	1629	127	1686	130	1743	163
1573	105	1630	18	1687	130, 418	1744	163
1574	106	1631 = 218	71	1688	152	1745	161
1575	104	1632	132	1689	152	1746	168
1576	104	1633	132	1690	152	1747	168
1577	109	1634	180	1691	151, 152	1748	168
1578	106	1635	130	1692	142	1749	167
1579	118	1636	136	1693 = 113	142	1750	166
1580	117	1637	136	1694	142	1751	167
1581	114	1638	136	1695	151	1752	164
1582	117	1639	136	1696	151	1753	164
1583	117	1640	135	1697	140	1754	164
1584	116	1641	135	1698	143	1755	165
1585 = 274	118	1642	135	1699	143	1756	165
1586	114	1643	133	1700 = 91	141	1757	164
1587	118	1644	133	1701	141	1758	164
1588	114	1645	134	1702	141	1759	165
1589	113	1646 }	134	1703	235	1760	165
1590	114	1647 }		1704	139	1761	166
1591	114	1648 = 198	134	1705	150	1762	166
1592	119	1649	158	1706	140	1763	166
1593	119	1650	17	1707	140	1764	166
1594	103	1651	158	1708	140	1765	166
1595	123	1652	159	1709 = 728	154	1766	162
1596	103	1653	152	1710	150	1767	163
1597	133	1654	154	1711	150	1768	162
1598	133	1655	159	1712	148	1769	162
1599	133	1656	137	1713	149	1770	162
1600	138	1657	137	1714	150	1771	164
1601	103	1658	137	1715	155	1772	161
1602	103	1659	137	1716	149	1773	170
1603	104	1660	137	1717	156	1774	169

INDEX OF C.P. NUMBERS.

459

C.P.	Page	C.P.	Page	C.P.	Page	C.P.	Page
1775	169	1832	192	1888	216	1947	241
1776	169	1833	192	1889	215	1948	243
1777	169	1834 (1836 in er.)	191	1890	215	1949	243
1778	221		191	1891	215	1950	243
1779	209	1835	191	1892	215	1951	243
1780	222	1836 (1834 in er.)	191	1893	215	1952	244
1781	222		191	1894	215	1953	242
1782	206	1837	193	1895	172	1954	214
1783	207	1839	193	1896	172	1955	244
1784	207	1840	193	1897	217	1956	244
1785	207	1841	196	1898	217	1957	244
1786	208	1842	199	1900	216	1958	244
1787	208	1843	194	1901	216	1959	206
1788	208	1844	197	1902	216	1960	206
1789	207	1845=1844.		1903	216	1961	244
1790	170	1846	198	1904	217	1962	244
1791=1260.	78	1847	198	1905	217	1963 (1763 in er.)	121
1792	403	1848	198	1906	217		121
1793	175	1849	197	1907	217	1964 (1764 in er.)	121
1794	175	1850	194	1908	181		121
1795	175	1851	195	1909	178	1965	120
1796	174	1852	196	1910	178	1966	120
1797	175	1853	196	1911	179	1967	120
1798=1797.		1854	197	1912	180	1968	120
1799	172	1855	199	1913	180	1969	120
1800	172	1856	198	1914	180	1970	212
1801=1799.		1857	197	1915	178	1971	231
1802	173	1858	197	1916	183	1972	235
1803	174	1859	198	1917	183	1973	235
1804	173	1860	197	1918	87	1974	235
1805	174	1861	194	1919	35	1975	234
1806	173	1862	193	1920	38, 403	1976	234
1807	190	1863	194	1921	33	1977	232
1808	190	1864=1865.		1922	213	1978	235
1809	190	1865	195	1923	258	1979	235
1810	190	1866	201, 425	1924	210	1980	229
1811	190	1867	201	1925	213	1981	232
1812	189	1868	113	1926	213	1982	234
1813=1807.		1869	206	1927=1926.		1983	231
1814	190	1870	205	1928	212	1984	234
1815	181	1871	204	1929	211	1985	231
1816=1815.		1872=1871.		1930	211	1986	231
1817=275	188	1873	204	1931	212	1987	225
1818	188	1874	204, 442	1932	210	1988 (1998 in er.)	236
1819	185	1875	205	1933	210		236
1820	185	1876	203	1934	211	1989	236
1821	188	1877	203	1935	212	1990	427
1822	191	1878	203	1936=1939.		1991	233
1823	191	1879	214	1937	212	1992	234
1824	442	1880	214	1938	210	1993	233
1825	193	1881	213	1939	211	1994	225
1826	200	1882	214	1940	212	1995	234
1827	192	1883	209	1942	212	1996	224
1828	251	1884	209	1943	209	1997	225
1829	191	1885	214	1944	209	1998	227
1830	196	1886	215	1945	210	1999	227
1831	196	1887	216	1946	209	2000	229

C.P.	Page	C.P.	Page	C.P.	Page	C.P.	Page
2001	226	2058	239	2116	275	2173	292
2002	226	2059	237	2117	275	2175	293
2003	230	2060	237	2118	272	2176	292
2004	231	2061	237	2119=491	290	2177	293
2005	228	2062	236	2120	287	2178	293
2006	226	2063	237	2121	287	2179	259
2007	226	2064	237	2122	287	2180	260
2008	228	2065	238	2123=2122		2181	260
2009	227	2066	238	2124	269	2182	260
2010	228	2067	238	2125	268	2183	260
2011	230	2069	238	2126	269	2184	259
2012	227	2070	241	2127=2125		2185	259
2013	230	2071	240	2128	269	2186	259
2014	231	2072	240	2129	269	2187	261
2015	231	2073	239	2130	284	2188	260
2016	231	2074	240	2131	269, 427	2189	260
2017	232	2075	240	2132	272	2190	261
2018	232	2076	241	2133	282	2191	260
2019	232	2077	239	2134	282	2192	261
2020	224	2078	237	2135	284	2193	259
2021	217	2079	237	2136	282	2194	261
2022	220	2080	236	2137	282	2195	261
2023	209	2081	237	2138	282	2196	260
2024	219	2082	239	2139	282	2197	260
2025	220	2083	238	2140	282	2198	260
2026	220	2084	423	2141	285	2199	261
2027	220	2085	172	2142	282	2200	259
2028	220	2086	171	2143	285	2201	262
2029	220	2087	170	2144	282	2202	258
2030	220	2088	171	2145	283	2203	443
2031	220	2089	171	2146	284	2204	185
2032	219	2090	171	2147	283	2205	119
2033	219	2091	171	2148	283	2206	260
2034	426	2092	271	2149	285	2207	293
2035	218	2093	259	2150	286	2208	289
2036	218	2094	271	2151	280, 428	2209=2208	
2037	218	2095	271	2152	288	2210	289
2038	218	2096	271	2153	288	2211	287
2039	218	2097	271	2154	281	2212	263
2040	218	2098	271	2155	281	2213	264
2041	218	2099	270	2156	279	2214	264
2042	219	2100	270	2157=557	275	2215	263
2043	219	2101	274	2158	278	2216	191
2044	219	2102	271	2159=2158		2217	266
2045=2044		2103	273	2160	278	2218	265
2046	218	2104	272	2161	279	2219	266
2047	219	2105	273	2162=2161		2220	265
2048	219	2106	273	2163	280	2221	265
2049	218	2107=2105		2164	280, 428	2222	265
2050	220	2108	273	2165=2151		2223	265
2051	220	2109	273	2166	280	2224	266
2052	219	2110	276	2167	278	2225	265
2053	240	2111	270	2168	277	2226	265
2054	218	2112	273	2169	269	2227	266
2055	238	2113	276	2170	270	2228	266
2056	237	2114	276	2171	274	2229	266
2057	240	2115	272	2172	292	2230	267

INDEX OF C.P. NUMBERS.

461

C. P.	Page	C. P.	Page	C. P.	Page	C. P.	Page
2281 . . .	263	2289 . . .	324	2346 . . .	308	2405 . . .	18
2282 . . .	262	2290 . . .	323	2347 . . .	302	2406 . . .	8
2283 . . .	427	2291 . . .	339	2348 . . .	306	2407 . . .	280
2284 . . .	249	2292 . . .	339	2349 . . .	300	2408 = 528	166
2285 . . .	248	2293 . . .	338	2350 . . .	298	2409 . . .	82
2286 . . .	249	2294 . . .	340	2351 . . .	296	2410 . . .	95
2287 . . .	249	2295 . . .	339	2352 . . .	298	2411 . . .	177
2288 . . .	247	2296 . . .	332	2353 . . .	298	2412 . . .	71
2289 . . .	248	2297 . . .	338	2354 . . .	307, 430	2413 . . .	69
2240 . . .	247	2298 . . .	337	2355 . . .	299	2214 . . .	184
2241 . . .	249	2299 . . .	337	2356 . . .	299	2415 . . .	16
2242 . . .	249	2300 . . .	337	2357 . . .	298	2416 . . .	4
2243 . . .	249	2301 . . .	340	2358 . . .	307	2417 . . .	40
2244 . . .	247	2302 . . .	338	2359 . . .	296	2418 . . .	64, 409
2245 . . .	247	2303 . . .	326	2360 . . .	308	2419 . . .	64, 409
2246 . . .	245	2304 . . .	326	2361 . . .	303	2420 . . .	48
2248 . . .	246	2305 . . .	331	2362 . . .	299	2421 . . .	46, 406
2249 . . .	246	2306 . . .	333	2363 . . .	311	2422 . . .	283
2250 . . .	246	2307 . . .	333	2364 . . .	301	2423 . . .	84
2251 . . .	246	2308 . . .	333	2365 . . .	307	2424 . . .	287
2252 . . .	246	2309 . . .	331	2366 . . .	308	2425 . . .	66
2253 . . .	248	2310 . . .	331	2367 . . .	308	2426 . . .	66
2254 . . .	248	2311 . . .	290	2368 . . .	300	2427 . . .	66
2255 . . .	248	2312 . . .	325	2369 . . .	302	2428 = 2426.	
2256 . . .	291	2313 . . .	325	2370 . . .	302	2429 = 1900.	216
2257 . . .	291	2314 . . .	321	2371 . . .	308	2430 . . .	38, 403
2258 . . .	291	2315 . . .	321	2372 . . .	309	2431 . . .	318
2259 . . .	222	2316 . . .	332	2373 . . .	310	2432 . . .	337
2260 . . .	246	2317 . . .	332	2374 . . .	310	2433 . . .	323
2261 . . .	246	2318 . . .	332	2375 . . .	296	2434 . . .	358
2262 . . .	246	2319 . . .	338	2376 . . .	295	2435 . . .	186
2263 . . .	252	2320 . . .	325	2377 . . .	313	2436 . . .	184
2264 . . .	252	2321 . . .	336	2378 . . .	331	2437 . . .	180
2265 . . .	244	2322 . . .	336	2379 . . .	331	2438 . . .	179
2266 . . .	245	2323 . . .	336	2380 . . .	333	2439 . . .	180
2267 . . .	190	2324 . . .	322	2381 . . .	267	2440 . . .	42
2268 = 1923.	258	2325 . . .	322	2383 . . .	25	2441 . . .	42
2269 . . .	254	2326 . . .	322	2384 . . .	143	2442 . . .	135
2270 . . .	254	2327 . . .	323	2386 . . .	364	2443 . . .	80, 410
2271 . . .	254	2328 . . .	322	2387 . . .	113	2444 . . .	76, 410
2272 = 2269.		2329 . . .	322	2388 = 1161.	78	2445 . . .	49
2273 . . .	427	2330 . . .	323	2389 . . .	218	2446 . . .	51
2274 . . .	255	2331 . . .	323	2390 = 1586.	114	2447 . . .	52
2275 . . .	254	2332 . . .	323	2391 . . .	136	2448 . . .	60
2276 . . .	255	2333 . . .	327	2392 . . .	254	2449 . . .	117
2277 . . .	257	2334 . . .	330, 431	2393 . . .	372	2450 . . .	116
2278 . . .	257	2335 . . .	330	2394 . . .	370	2451 . . .	114
2279 = 413	258	2336 . . .	329	2395 . . .	355	2452 . . .	117
2280 . . .	257	2337 . . .	328	2396 . . .	352	2453 . . .	117
2281 . . .	257	2338 . . .	324	2397 . . .	351, 434	2454 . . .	61
2282 . . .	252	2339 . . .	324	2398 = 1921.		2455 . . .	155
2283 . . .	252	2340 . . .	304	2399 . . .	80	2456 . . .	155
2284 . . .	252	2341 . . .	304	2400 . . .	204	2457 . . .	142
2285 = 2284.		2342 . . .	303	2401 . . .	239	2458 . . .	154
2286 . . .	315	2343 . . .	305	2402 . . .	176	2459 . . .	271
2287 . . .	315	2344 . . .	303	2403 . . .	40	2460 (2640 in	
2288 . . .	323	2345 . . .	303	2404 . . .	160, 421	err.) . .	14

C. P.	Page	C. P.	Page	C. P.	Page	C. P.	Page
2461 . . .	293	2519 . . .	192	2576 . . .	235	2633 . . .	356
2462 . . .	292	2520 . . .	73	2577 . . .	58	2634 . . .	350
2463 . . .	262	2521 . . .	117	2578 . . .	195	2635 . . .	351, 434
2464 . . .	265	2522 . . .	158	2579 . . .	195	2636 . . .	5
2465 . . .	56, 408	2523 . . .	269	2580 . . .	198	2637 . . .	60
2466 . . .	195	2524 . . .	32	2581 . . .	124	2638 (2638 in err.)	
2467 . . .	194	2525 . . .	74	2582 . . .	124		144
2468 . . .	112	2526 . . .	263	2583 . . .	17	2639 . . .	143, 419
2470 . . .	152	2527 . . .	306	2584 . . .	52	2640 . . .	19
2471 . . .	92	2528 . . .	304	2585 = 2520.		2641 . . .	275
2472 . . .	153	2529 . . .	285	2586 . . .	76, 410	2642 = 2641.	
2473 . . .	427	2530 . . .	288	2587 . . .	32	2643 . . .	313
2474 = 1795.	175	2531 . . .	283	2588 . . .	121	2644 . . .	109
2475 . . .	189	2532 . . .	280	2589 . . .	134	2645 . . .	38, 403
2476 . . .	83	2533 . . .	181	2590 . . .	34	2646 . . .	38, 403
2477 . . .	74, 410	2534 = 2208.	289	2591 . . .	245	2647 . . .	39, 404
2478 = 1954.	214	2535 = 2208.		2592 . . .	170	2648 . . .	176
2479 . . .	60	2536 . . .	256	2593 . . .	229	2649 . . .	79
2480 . . .	15	2537 . . .	265	2594 . . .	229	2650 . . .	61
2481 . . .	188	2538 . . .	112	2595 . . .	68	2651 . . .	32
2482 . . .	82	2539 . . .	118	2596 . . .	101	2652 . . .	149
2483 . . .	134	2540 . . .	116	2597 . . .	128	2653 . . .	152
2484 . . .	366	2541 . . .	242	2598 . . .	173	2654 . . .	296
2485 . . .	253	2542 . . .	42	2599 . . .	173	2655 . . .	300
2486 = 2485.		2543 . . .	335	2600 . . .	41	2656 . . .	183
2487 . . .	255	2544 . . .	6	2601 . . .	281	2657 . . .	19
2488 . . .	256	2545 . . .	55	2602 . . .	289	2658 . . .	38, 403
2489 . . .	256	2546 . . .	47, 406	2603 . . .	19	2659 . . .	2
2490 . . .	256	2547 . . .	46, 406	2604 . . .	19	2660 . . .	3
2491 . . .	256	2548 . . .	195	2605 . . .	256	2661 . . .	98
2492 . . .	135	2549 . . .	197	2606 . . .	255	2662 . . .	89
2493 . . .	118	2550 . . .	16	2607 . . .	152	2663 . . .	92
2494 . . .	118	2551 . . .	133	2608 . . .	19	2664 . . .	294
2495 . . .	117	2552 . . .	135	2609 . . .	147	2665 . . .	294
2496 . . .	117	2553 . . .	22	2610 . . .	152	2666 . . .	294
2497 . . .	17, 400	2554 . . .	135	2611 . . .	156	2667 . . .	174
2498 . . .	133	2555 . . .	251	2612 . . .	8	2668 . . .	122
2499 . . .	271	2556 . . .	76	2613 . . .	54	2669 . . .	21
2500 = 2407.	280	2557 . . .	163	2614 . . .	75	2670 . . .	198
2501 . . .	69, 409	2558 . . .	230	2615 . . .	108	2671 . . .	198
2502 . . .	282	2559 . . .	230	2616 . . .	109	2672 . . .	198
2503 . . .	10, 399	2560 . . .	285	2617 . . .	109	2673 . . .	201
2504 = 1193.	61	2561 . . .	285	2618 . . .	105	2674 . . .	52
2505 . . .	19	2562 . . .	266	2619 . . .	106	2675 . . .	50, 406
2506 . . .	296	2563 . . .	267	2620 . . .	11	2676 . . .	76, 410
2507 . . .	176	2564 . . .	232	2621 . . .	112	2677 . . .	77
2508 . . .	93, 413	2565 . . .	268	2622 . . .	116	2678 . . .	11
2509 . . .	15	2566 . . .	29	2623 . . .	114, 415	2679 . . .	55
2510 . . .	158	2567 . . .	26	2624 . . .	375	2680 . . .	177
2511 . . .	296	2568 . . .	31	2625 . . .	365	2681 . . .	186
2512 . . .	156	2569 . . .	43, 405	2626 . . .	373	2682 . . .	119
2513 . . .	152	2570 . . .	113	2627 . . .	354	2683 = 2685.	
2514 = 1911.	179	2571 . . .		2628 . . .	355	2684 . . .	112
2515 . . .	192	2572 . . .	296	2629 . . .	355	2685 . . .	111
2516 . . .	201	2573 . . .	155	2630 . . .	355	2686 . . .	113
2517 . . .	197	2574 . . .	1	2631 . . .	355	2687 . . .	108
2518 . . .	192	2575 . . .	155	2632 . . .	355	2688 . . .	187

INDEX OF O.P. NUMBERS.

453

O.P.	Page	O.P.	Page	O.P.	Page	O.P.	Page
2689	174	2746	352	2801	116	2857	68
2690	1	2747	348	2802	416	2858	29
2691	198	2748	347	2803	114	2859	212
2692	84	2749	355	2804	12	2860	197
2693	114	2750	356	2805	126	2861	200
2694	116, 417	2751	355	2806	126	2862	116
2695	49, 406	2752	347, 434	2807	128	2863	119
2696	214	2753 (2573 in err.)	358	2808	128	2864	216
2697	214	2754=881	362	2809	24	2865	216
2698	242	2755	361	2810	130	2866	217
2699	258	2756	363	2811	123	2867	216
2700	125	2757	13	2812	130	2868	216
2701	254	2758	31	2813	130	2869	325
2702	6	2759	31	2814	133	2870	326
2703	8	2760	27	2815	156	2871	326
2704=196	278	2761	299	2816	153	2872	326
2705	151	2762	199	2817	142	2873	330
2706	148	2763=188	46	2818	262	2874	330
2707	149	2764	51	2819	141	2875	367
2708	50	2765	101	2820	137	2876	357
2709	157	2766	70	2821	16	2877	348
2710	157	2767	101	2822	163	2878	346
2711	145, 420	2768	102	2823	335	2879	344
2712=2192	261	2769	102	2824=1761	166	2880	218
2713=2199	261	2770	102	2825	161	2881	218
2714	292	2771	102	2826	166	2882	260
2715	165	2772	81	2827	168	2883	220
2716	239	2773	254	2828	171	2884	219
2717	224	2774=2772	83	2829	173	2885	219
2718	233	2775=1447	85	2830	176	2886	220
2719	73	2776	86	2831	262	2887	220
2720	53	2777	86	2832	177	2888	221
2721	134	2778	86	2833	182	2889	222
2722	12	2779	86	2834	192	2890	237
2723	29	2780	86	2835	185	2891	239
2724	252	2781	90	2836	423	2892=217	239
2725	63	2782	89	2837	196	2893	242
2726	247	2783	91	2838	199	2894	243
2727	11	2784	95, 414	2839	201	2895	334
2728	220	2785	96	2840	204	2897	226
2729	178	2786	96	2841	204	2898	226
2730	180	2787 (2784 in err.)	64, 409	2842	205	2899	443
2731	178	2788	64	2843	207	2900	225
2732	328	2789	67	2844	208	2901	402
2733	367	2790	66	2845	210	2902	81
2734	327	2791	65	2846=1943	209	2903	83
2735	325	2792	14	2847	211	2904	234
2736	318	2793	123	2848	209	2905	384
2737	316	2794	123	2849	210	2906	22
2738	340	2795	121	2850 (2854 in err.)	211	2907	245
2739	313	2796	121	2851	212	2908	250
2740	299	2797	121	2852=1937	212	2909	249
2741	304	2798	110	2853	213	2910	247
2742	297	2799	108	2854	215	2911	248
2743	296	2800	106	2855	284	2912	249
2744	315			2856	264	2913	251
2745	354					2914	258

C. P.	Page	C. P.	Page	C. P.	Page	C. P.	Page
2916	41	2976	111	3032	363	3091	109
2917	51	2976	129	3033	354	3092	177
2918	19	2977	326	3034	354	3093	147
2920	187	2978	336	3035	354	3094	147
2921	255	2979	321	3036	352	3095	143
2922	289	2980	345	3037	354	3096	390
2923	11	2981	169	3038	347	3097	392
2924	179	2982	299	3039 (3090 in err.)	351, 434	3098	385
2925	93, 413	2983	306	3040	343	3099	281
2926=2929.		2984	397	3041	343	3100	385
2927	112	2985	397	3042	344	3101	385
2928	110	2986	397	3043	344	3102	387
2929	110	2987	387	3044	344	3103	386
2930	272	2988	379	3045	343	3104	395
2931	265	2989	223	3046	352, 434	3105	379
2932	124	2990	153	3047	352, 434	3106	379
2933	187	2991	149, 425	3048	364	3107	212
2934=1879	214	2992	4	3049	360	3108	222
2935	235	2993	225	3050	391	3109	225
2936	159	2994	233	3051	378	3110	233
2937	24	2995	238	3052	396	3111	219
2938	63	2996	218	3053	396	3112	249
2939	62	2997	31	3054	333	3113	252
2940	76, 410	2998	203	3055	333	3114	3
2941=913	359	2999	245	3056	333	3115	47, 406
2942	344	3000	245	3057		3116	266
2943	268	3001	55	3058	310	3117	28
2944	268	3002	125	3059	392	3118	335
2945	268	3003	68	3060	386	3119	326
2946	269	3004	75	3061	390	3120	313
2947	282	3005	36	3062	393	3121	300
2948	371	3006	212	3063	394	3122	317
2949		3007	108	3064	391	3123	320
2951	270	3008	115	3065	223	3124	296
2952	260	3009	173	3066=1340	384	3125	36
2953	292	3010	180	3067	384	3126	30, 401
2954	366	3011	181	3068	388	3127	25
2955	113	3012	176	3069	389	3128	124
2956	292	3013	275	3070	388	3129	87
2957	24	3014	277	3071	313	3130	99
2958	54	3015	286	3072	305	3131	172
2959	112	3016	285	3073	394	3132	144
2960	5	3017	312	3074	393	3133	286
2961	5	3018	319	3075	380	3134	284
2962	14	3019	319	3076	381	3135	367
2963	29	3020	316	3077	393	3136	368
2964	311	3021	317	3078	389	3137	357
2965	356	3022	326	3079	368	3138	365
2966	355	3023	325	3080	354	3139	384
2967	350	3024=2329	322	3081	310	3140	384
2968	363	3025	323	3082	320	3141	383
2969	324	3026	322	3083	265	3142	392
2970=3215.		3027	322	3084	220, 426	3143	394
2971	222	3028	340	3085	221	3144	386
2972	221	3029	345	3086	197	3145	382, 439
2973	87	3030	353	3088	222	3146	382
2974	107	3031	353	3089	223	3147	379

INDEX OF C.P. NUMBERS.

465

C.P.	Page	C.P.	Page	C.P.	Page	C.P.	Page
3148	53	3205	311	3263	365	3320	375
3149	97	3206	314	3264	368	3321	369
3150	89	3207	314	3265	395	3322	365, 436
3151	38, 403	3208	306	3266	378	3323	358
3152	205	3209	306	3267	383	3324	427
3153	241	3210	324	3268	384	3325	81
3154	247	3211	324	3269	383	3326	87
3155 ? = 2278.		3212	338	3270	385	3327 (3329 in cr.)	
3156	286	3213	321	3271	391		87
3157	320	3214	333	3272	389	3328	25
3158	52	3215	321	3273	391	3329	397
3159	331	3216	323	3274	392	3330	397
3160	299	3217	323	3275	390	3331	390
3161	355	3218	331	3276	394	3332	385
3162	352, 434	3219	356	3277	389	3333	327
3163	373	3220	349	3278	397	3334	331
3164	369	3221	342	3279	397	3335	9
3165	364	3222	346	3280	377	3336	259
3166	364	3223	323	3281	377	3337	269
3167	365	3224	322	3282	396	3338	77
3168	365	3225	354	3283	377	3339	77
3169	119	3226	353	3284	377	3340	85
3170	206	3227 = 3327	245	3285 = 3400	49	3341	35
3171	206	3228	346	3286	394	3342	202
3172	329	3229	347	3287	390	3343	167
3173	334	3230	347	3288	388	3344	140
3174	334	3231	347, 434	3289	384	3345	109
3175	316	3232	318, 433	3290	382	3346	111
3176		3233	350	3291	395	3347	112, 415
3177	295	3234	345	3292	380	3348	246
3178	295	3235	365	3293	396	3349	287
3179	295	3236	359	3294	55	3350	172
3180	295, 429	3237	359	3295	16, 405	3351	229
3181	295	3238	361	3296	121	3352	227
3182	297	3239	358	3297	123	3353	226
3183	297	3240	360	3298	123	3354	234
3184	298	3241	359	3299	123	3355	235
3185 = 3072	305	3242	361	3300	99	3356	232
3186	299	3243	360	3301	82	3357	234
3187	300	3244	358	3302	110	3358	301
3188	301	3245	371	3303	162	3359	376
3189	301	3246	361	3304	200	3360	397
3190	301	3247	372	3305	267	3361	397
3191	305	3248	366	3306	151	3362	45
3192	306	3249	358	3307	171	3363	386
3193	304	3251	373	3308	171	3364	3
3194	307	3252	375	3309	219	3365	19
3195	305	3253	374	3310	271	3366	222
3196	308	3254	364	3311	388	3367	201, 425
3197	309	3255	375	3312	320	3368	207
3198	356	3256	369	3313	322	3369	208
3199	309	3257	366	3314	322	3370	240
3200	309	3258	368	3315	334	3371	257
3201	310	3259	373	3316	342, 343	3372	261
3202	310	3260	362	3317	349	3373	316
3203	311	3261	369	3318	354, 435	3374	319
3204	312	3262	362	3319	353	3375	295, 429

C. P.	Page	C. P.	Page	C. P.	Page	C. P.	Page
8376 . . .	304	8433 . . .	268	8490 . . .	69	3546 . . .	94
8377 . . .	313	8434 . . .	176	8491 . . .	214	3547 . . .	99
8378 . . .	305	8435 . . .	238	8492 (8392 in err.)		3548 . . .	67
8379 . . .	308	8436 . . .	177		308	3549 . . .	55
8380 . . .	340	8437 . . .	208	8493 . . .	811	3550 . . .	22
8381 . . .	333	8438 . . .	116	8494 . . .	303, 429	3551 . . .	23
8382 . . .	341	8439 . . .	114	8495 . . .	430	3552 . . .	23
8383 . . .	392	8440 . . .	115	8496 . . .	334	3553 . . .	28
8384 . . .	390	8441 . . .	112	8497 . . .	384	3554 . . .	31
8385 . . .	430	8442 . . .	110	8498 . . .	391	3555 . . .	26
8386 . . .	72, 409	8443 . . .	106	8499 . . .	89	3556 . . .	368
8387 . . .	212	8444 . . .	77	3500 . . .	125	3557 . . .	347
8388 . . .	330	8445 . . .	413	3501 . . .	212	3558 . . .	343
8389 . . .	388	8446 . . .	176	3502 . . .	386	3559 . . .	343
8390 . . .	387	8447 . . .	177	3503 . . .	390	3560 . . .	342
8391 . . .	391	8448 . . .	212	3504 . . .	390	3561 . . .	313
8392 . . .	3	8449 . . .	257	3505 (2505 in err.)		3562 . . .	341
8393 . . .	3	3150 . . .	62		168	3563 . . .	315
8394 . . .	181	3151 . . .	62	3506 . . .	125	3564 . . .	309
8395 . . .	183	3452 . . .	404	3507 . . .	166	3565 . . .	314
8396 . . .	183	3453 . . .	134	3508 . . .	56	3566 . . .	302
8397 . . .	7	3454 . . .	186	3510 . . .	123	3568 . . .	269
8398 . . .	7	3155 . . .	70	3511 . . .	152	3569 . . .	270
8399 . . .	6	3456 . . .	69	3512 . . .	87	3570 . . .	277
8400 . . .	49, 406	3457 . . .	291	3513 . . .	83	3571 . . .	281
8401 . . .		3458 . . .	121	3514 . . .	83	3572 . . .	240
8402 . . .	52	3459 . . .	251	3515 . . .	301	3573 . . .	238
8403 . . .	51, 407	3460 . . .	129	3516 . . .	227	3574 . . .	241
8404 . . .	50, 407	3461 . . .	383	3517 . . .	227	3575 . . .	224
8405 . . .	34	3462 . . .	297	3518 . . .	256	3576 . . .	231
8406 . . .	34	3463 . . .	311	3519 . . .	270	3577 . . .	226
8407 . . .	36, 402	3164 . . .	331	3520 . . .	259	3578 . . .	232
8408 . . .	36	3165 . . .	320	3521 . . .	401	3579 . . .	211
8409 . . .	35	3466 . . .	317	3522 . . .	166	3580 . . .	211
8410 . . .	35	3467 = 3, var. β		3523 . . .	163	3581 . . .	204
8411 . . .	35	3468 . . .	346	3524 . . .	411	3582 . . .	
8412 . . .	39, 404	3469 . . .	352	3525 . . .	216	3583 . . .	165
8413 . . .	38, 403	3470 . . .	371	3526 . . .	16, 400	3584 . . .	129
8414 . . .	38, 403	3471 . . .	362	3527 . . .	6	3585 . . .	92
8415 . . .	37, 403	3472 . . .	189	3528 . . .	26	3586 . . .	90
8416 . . .	37, 404	3473 . . .	177	3529 . . .	27	3587 . . .	89
8417 . . .	139	3474 . . .	403	3530 . . .	302	3588 . . .	87
8418 . . .	146, 420	3475 . . .	279	3531 . . .	333	3589 . . .	88
8419 . . .	152	3476 . . .	182	3532 . . .	318	3590 . . .	85
8420 . . .	153	3477 . . .	180	3533 . . .	291	3591 . . .	411
8421 . . .	142	3478 . . .	182	3534 . . .	127	3592 . . .	83
8422 . . .	136	3479 . . .	112	3535 . . .	211	3593 . . .	81, 410
8423 . . .	157	3480 . . .	139	3536 . . .	211	3594 . . .	82
8424 . . .	155	3481 . . .	158	3537 . . .	225	3595 . . .	403
8425 . . .	313	3482 . . .	154, 421	3538 . . .	235	3596 . . .	409
8426 . . .	260	3483 . . .	89, 403	3539 . . .	166	3597 . . .	63
8427 . . .	260	3484 . . .	183	3540 . . .	201, 425	3598 . . .	84
8428 . . .	274	3485 . . .	96	3541 . . .		3599 . . .	85
8429 . . .	279	3486 = 3484 . . .	2	3542 . . .	143	3600 . . .	85
8430 . . .	280	3487 . . .	384	3543 . . .	143	3601 . . .	95, 414
8431 . . .	280	3488 . . .	54	3544 . . .	411	3602 . . .	95
8432 . . .	285	3489 . . .	377	3545 . . .	115	3603 . . .	96

INDEX OF C.P. NUMBERS.

467

C.P.	Page	C.P.	Page	C.P.	Page	C.P.	Page
8604 . . .	97	8661 . . .	226	8718 . . .	424	8774 . . .	423
8605 . . .	98	8662 . . .	233	8719 . . .	425	8775 . . .	432
8606 . . .	98	8663 . . .	234	8720 . . .	425	8776 . . .	432
8607 . . .	99	8664 . . .	232	8721 . . .	428	8777 . . .	434
8608 . . .	82, 410	8665 . . .	422	8722 . . .	396	8778 . . .	411
8609 . . .	90	8666 . . .	334	8723 . . .	426	8779 . . .	434
8610 . . .	119	8667 . . .	336	8724 . . .	335	8780 . . .	434
8611 . . .	120	8668 . . .	314	8725 . . .	336	8781 . . .	356
8612 . . .	120	8669 . . .	319	8726 . . .	405	8782 = 919	362
8613 . . .	412	8670 . . .	338	8727 . . .	315	8783 . . .	353
8614 . . .	441	8671 . . .	362	8728 . . .	319	8784 . . .	367
8615 = 1131	28	8672 . . .	264	8729 . . .	319	8785 . . .	402
8616 . . .	156	8673 . . .	405	8730 . . .	320	8786 . . .	433
8617 . . .	421	8674 . . .	400	8731 . . .	321	8787 . . .	432
8618 . . .	159	8675 . . .	402	8732 . . .	431	8788 . . .	432
8619 . . .	151	8676 . . .	408	8733 . . .	443	8789 . . .	426
8620 . . .	152	8677 . . .	416	8734 . . .	324	8790 . . .	413
8621 . . .	143	8678 . . .	418	8735 . . .	324	8791 . . .	401
8622 . . .	412	8679 . . .	412	8736 . . .	410	8792 . . .	424
8623 . . .	236	8680 . . .	339	8737 . . .	407	8793 . . .	424
8624 . . .	236	8681 . . .	369	8738 . . .	428	8794 . . .	422
8625 . . .	293	8682 . . .	362	8739 . . .	327	8795 . . .	428
8626 . . .	229	8683 . . .	358	8740 . . .	327	8796 . . .	435
8627 . . .	406	8684 . . .	370	8741 (3471 in err.)		8797 . . .	435
8628 . . .	225	8685 . . .	426		327	8798 . . .	392
8629 . . .	217	8686 . . .	321	8712 . . .	329	8799 . . .	395
8630 . . .	165	8687 . . .	403	8713 . . .	329	8800 . . .	436
8631 . . .	168	8688 . . .	293	8714 . . .	330	8801 . . .	384
8632 . . .	169	8689 . . .	291	8745 . . .	337	8802 . . .	391
8633 . . .	161	8690 . . .	292	8716 . . .	336	8803 . . .	436
8634 . . .	401	8691 . . .	292, 428	8717 . . .	399	8804 . . .	437
8635 . . .	221	8692 . . .	292	8718 . . .	371	8805 . . .	431
8636 . . .	290	8693 . . .	306	8749 . . .	371	8806 . . .	438
8637 . . .	276	8694 . . .	307	8750 . . .	313	8807 . . .	438
8638 . . .	401	8695 . . .	297	8751 . . .	312	8808 . . .	438
8639 . . .	184	8696 . . .	297	8752 . . .	313	8809 . . .	415
8640 . . .	415	8697 . . .	299	8753 . . .	315	8810 . . .	410
8641 = 3461	(m	8698 . . .	297	8754 . . .	315	8811 . . .	411
error) . . .	401	8699 . . .	315	8755 . . .	345	8812 . . .	441
8642 . . .	247	8700 . . .	316	8756 . . .	317	8813 . . .	411
8643 . . .	248	8701 . . .	317	8757 = 3737	348	8814 . . .	412
8644 . . .	417	8702 . . .	316	8758 . . .	348	8815 . . .	414
8645 . . .	242	8703 . . .	319	8759 . . .	349	8816 . . .	439
8646 . . .	401	8704 . . .	317	8760 . . .	349	8817 . . .	412
8647 . . .	210	8705 . . .	316	8761 . . .	350	8818 . . .	435
8648 . . .	211	8706 . . .	320	8762 . . .	435	8819 . . .	433
8649 . . .	212	8707 . . .	404	8763 . . .	353	8820 . . .	430
8650 . . .	213	8708 . . .	401	8764 . . .	132	8821 . . .	426
8651 . . .	217	8709 . . .	403	8765 . . .	412	8822 . . .	406
8653 . . .	399	8710 . . .	403	8766 . . .	399	8823 . . .	407
8654 . . .	418	8711 . . .	402	8767 . . .	427	8824 . . .	398
8655 . . .	269	8712 . . .	402	8768 . . .	429	8825 . . .	398
8656 . . .	419	8713 . . .	402	8769 . . .	429	8826 . . .	399
8657 . . .	299	8714 . . .	415	8770 . . .	427	8827 . . .	438
8658 . . .	246	8715 . . .	415	8771 . . .	370	8828 = 3848	
8659 . . .	339	8716 = 2814	133	8772 . . .	399	8829 . . .	432
8660 . . .	228	8717 . . .	424	8773 . . .	401	8830 . . .	432

C. P.	Page	C. P.	Page	C. P.	Page	C. P.	Page
3831 . . .	398	3839 . . .	422	3846 . . .	436	3853 . . .	441
3832 . . .	410	3840 . . .	429	3847 . . .	436	3854 . . .	443
3833 . . .	401	3841 . . .	430	3848 . . .	436	3855 . . .	443
3834 . . .	416	3842 . . .	429	3849 . . .	443	3856 . . .	443
3835 . . .	416	3843 . . .	441	3850 . . .	441	3857 . . .	444
3836 . . .	417	3844 . . .	432	3851 . . .	441	3858 . . .	444
3837 . . .	420	3845 . . .	436	3852 . . .	442	3859 . . .	442
3838 . . .	419						

INDEX ORDINUM ET GENERUM.

	Page		Page
<i>Abelmoschus, Med.</i>	26	<i>Aganosma, G. Don</i>	194
<i>Aberia, Hochst.</i>	400	<i>Ageratum, Linn.</i>	161
<i>Abildgaardia, Vahl</i>	347, 433	<i>Agrimonia, Tourn.</i>	102
<i>Abrus, Linn.</i>	91	<i>Agrostis, Linn.</i>	370
<i>Abutilon, Dill.</i>	27, 401	<i>Agrostistachys, Dalz.</i>	279
<i>Acacia, Willd.</i>	99, 415	<i>Agrynea, Linn.</i>	283, 288
<i>Acalypha, Linn.</i>	271	<i>Ailanthus, Desv.</i>	69
<i>Acampe, Lindl.</i>	303	ALANGIACEÆ	133
ACANTHACEÆ	223	<i>Alangium, Linn.</i>	133
<i>Acanthonotus, Benth.</i>	83	<i>Albizzia, Durazz.</i>	99
<i>Acanthophippium, Bl.</i>	307	<i>Alchemilla, Tourn.</i>	102
<i>Acanthus, Linn.</i>	232	<i>Alisma, Juss.</i>	332
<i>Achyranthes, Linn.</i>	249	ALISMACEÆ	332
<i>Aclisia, E. Mey.</i>	323	<i>Allantodia, Wall.</i>	385
<i>Acmena, DC.</i>	118	<i>Alhum, Linn.</i>	339
<i>Acorus, Linn.</i>	337	<i>Allæanthus, Thw.</i>	263
<i>Acranthera, Arn.</i>	138	<i>Alleophama, Thw.</i>	147, 420
<i>Acronychia, Forst.</i>	409	<i>Atocasia</i>	336, 432
<i>Acrostichum, Linn.</i>	380, 395, 437	<i>Alphonsca, Hook. f. and T.</i>	11, 399
<i>Acerotrema, Jack.</i>	2, 398	<i>Alpinia, Linn.</i>	319
<i>Actephila, Bl.</i>	280	<i>Alscodaphne, N. ab Es.</i>	254
<i>Actinopteris, Link</i>	386	<i>Alsodeia, Thouars</i>	21
<i>Actinodaphne, N. ab Es.</i>	256, 427	<i>Alsophila, R. Br.</i>	396
<i>Actinostachys</i>	379	<i>Alstonia, R. Br.</i>	193
<i>Adansonia, Linn.</i>	28	<i>Alternanthera, Mart.</i>	250
<i>Adenanthera, Linn.</i>	98	<i>Alwisia, Lindl.</i>	300
<i>Adelia, Schreb.</i>	272, 275	<i>Alysicarpus, Neck.</i>	87, 412
<i>Adenochlæna, Bow.</i>	270	<i>Alyxia, R. Br.</i>	191
<i>Adenosma, N. ab Es.</i>	224	<i>Amanoa, Aubl.</i>	280, 428
<i>Adenostemma, Forst.</i>	162	AMARANTACEÆ	247
<i>Adhatoda</i>	233	<i>Amarantus, Tourn.</i>	247, 248
<i>Adiantum, Linn.</i>	387	AMARYLLIDACEÆ	324
<i>Adnandra, Jack.</i>	405	<i>Amblogyne</i>	248
<i>Æchandra, Arn.</i>	125	<i>Ambrosina</i>	334
ÆGICERACEÆ	174	<i>Ameletia, DC.</i>	122
<i>Ægicera, Gært.</i>	174	<i>Ammannia, Houst.</i>	121
<i>Æginetia, Linn.</i>	221	<i>Amomum, Linn.</i>	316, 430
<i>Æluropus, Trin.</i>	374	<i>Amoora, Roxb.</i>	60, 409
<i>Aerides, Lour.</i>	305, 429	<i>Amorphophallus, Bl.</i>	335, 443
<i>Aerva, Forsk.</i>	238, 427	AMPELLIDÆE	62
<i>Æschynanthus, Jack.</i>	206	<i>Amphidonax, N. ab Es.</i>	370
<i>Æschynomene, Linn.</i>	85	<i>Amphirhapis, DC.</i>	162
<i>Æthellema, R. Br.</i>	225	<i>Anacardium, Rottb.</i>	75

	Page		Page
<i>Anagallis, Tourn.</i>	172	<i>Artabotrys, R. Br.</i>	9
<i>Anamirta, Colebr.</i>	12	<i>Artanema, Don</i>	219
<i>Anaphalis</i>	166	<i>Artemisia, Linn.</i>	165
<i>Anatherum</i>	368	<i>Arthrocnemum, Moq.</i>	246
<i>Anaxagorea, St. Hil.</i>	10	<i>Arthromiscus, Thw.</i>	47, 406
ASCISTROCLADEÆ	188	<i>Arthrostylis, R. Br.</i>	352
<i>Ancistrocladus, Vahl</i>	188	<i>Artocarpus, Linn.</i>	262, 427
<i>Andrographis, Wall.</i>	232	<i>Arum, Linn.</i> 334, 335, 336, 432, 443	
<i>Andropogon, Linn.</i> , 364, 365, 366,		<i>Arundina, Bl.</i>	301
	368, 437	<i>Arundinaria, Rich.</i>	375, 437
<i>Aneilema, R. Br.</i>	322	<i>Arundinella, Raddi</i>	362
<i>Anemone, Linn.</i>	1	<i>Arundo</i>	370
<i>Angiopteris, Hoffm.</i>	379, 437	<i>Ascarina</i>	293
<i>Angræcum, Thouars</i>	306	ASCLEPIADACEÆ	195
<i>Anguillaria</i>	339	<i>Asparagus, Linn.</i>	200
<i>Ania, Lindl.</i>	301	<i>Aspidium, Sw.</i>	389, 438, 444
<i>Aniseia, Choisy</i>	212	<i>Asplenium, Linn.</i>	383, 438
<i>Anisocampum</i>	390	<i>Asteracantha</i>	225
<i>Anisochilus, Wall.</i>	238	<i>Astylis, Wight</i>	287
<i>Anisogonium</i>	385	<i>Asystasia, Bl.</i>	235, 427
<i>Anisomeles, R. Br.</i>	240	<i>Atalantia, Corr.</i>	44, 405
<i>Anisonema, A. Juss.</i>	282	<i>Ate, Lindl.</i>	309
<i>Anisophyllea, R. Br.</i>	119	<i>Athyrium</i>	384
<i>Anisophyllum, Don</i>	119	<i>Atriplex, Gertn.</i>	246
<i>Anodendron, A. DC.</i>	194	<i>Atylosia, W. and Arn.</i>	91
<i>Anæctochilus, Bl.</i>	314	AURANTIACEÆ	44
<i>Anogeissus, Wall.</i>	103	<i>Avena, Linn.</i>	372
<i>Anomospermum, Dalz.</i>	280	<i>Avicennia, Linn.</i>	244
ANONACEÆ	6	<i>Axanthes, Bl.</i>	139, 418
<i>Anastrutheria, Gardn.</i>	121	<i>Axinandra, Thw.</i>	122
<i>Anathistia, Linn.</i>	366, 436	<i>Azadarachta, A. Juss.</i>	59
<i>Anthocometes</i>	234	<i>Azima, Lam.</i>	191
<i>Antiaria, Lesch.</i>	263, 427	<i>Azolla, Lam.</i>	378
<i>Antidesma, Linn.</i>	289	<i>Balanophora, Forst.</i>	293
<i>Antrophyum</i>	382	BALANOPHOREÆ	293
<i>Apturia, Lindl.</i>	301	BALSAMINÆ	65
<i>Aphyllia, Champ.</i>	294	<i>Bambusa, Schreb.</i>	375, 376, 437
<i>Apluda, Linn.</i>	364	<i>Barleria, Linn.</i>	230, 427, 443
<i>Apocopis, N. ab Es.</i>	365	<i>Barringtonia, Forst.</i>	119
APOCYNACEÆ	191	BARRINGTONIACEÆ	119
<i>Apodytes, E. Mey.</i>	42	<i>Bassia, Kon.</i>	175, 423
<i>Apollonias, N. ab Es.</i>	253	<i>Batatas, Rumph.</i>	210
<i>Aponogeton, Thunb.</i>	333	<i>Batis</i>	263
<i>Aporosa, Bl.</i>	288	<i>Batratherum</i>	368
<i>Apostasia, Bl.</i>	315	<i>Bauhinia, Linn.</i>	98
APOSTASIACEÆ	315	<i>Bauinea, Gaud.</i>	353
<i>Appendicula, Bl.</i>	306	<i>Begonia, Linn.</i>	128, 417, 442
AQUIFOLIACEÆ	183	BEGONIACEÆ	128
ARALICEÆ	131	BERBERIDEÆ	13
<i>Ardisia, Linn.</i>	173, 423	<i>Berberis, Linn.</i>	13
<i>Areca, Linn.</i>	327	<i>Berchemia, Neck.</i>	74, 410
<i>Argyrea, Lour.</i>	209, 210	<i>Bergera, Kon.</i>	46, 406
<i>Arisema, Mart.</i>	335	<i>Berghausia</i>	363
<i>Aristida, Linn.</i>	370	<i>Bergia, Linn.</i>	23
<i>Aristolochia, Tourn.</i>	291	<i>Berrya, Roxb.</i>	32
ARISTOLOCHIACEÆ	291	<i>Bhesa, Arn.</i>	72
AROIDEÆ	334		

	Page		Page
<i>Bidaria, Endl.</i>	198	<i>Callitriche, Linn.</i>	290
<i>Bidens, Linn.</i>	165	<i>Calonyction, Choisy</i>	211
BIGNONIACEÆ	206	<i>Calophanes, Don</i>	225
<i>Biophytum, DC.</i>	64, 409	<i>Calophyllum, Linn.</i>	51, 407
<i>Bixa, Linn.</i>	16	<i>Calosantes, Bl.</i>	206
<i>Blachia, Baill.</i>	277	<i>Calotropis, R. Br.</i>	196
<i>Blackwellia, Comm.</i>	79, 410	<i>Calymmodon</i>	390
<i>Blainvillea, Cass.</i>	164	<i>Calyptranthes</i>	116, 117
<i>Blechnum, Linn.</i>	381	<i>Cambogia</i>	48, 49
<i>Blepharis, Juss.</i>	231	<i>Cameraria</i>	191
<i>Blumea, DC.</i>	163, 422	<i>Campanula, Linn.</i>	169
<i>Blyxa, Thouars</i>	332	CAMPANULACEÆ	169, 422
<i>Bohea, Miq.</i>	421	<i>Campbellia, Wight</i>	427, 443
<i>Bohmeria, Jacq.</i>	259, 260	<i>Campum</i>	380
<i>Borhaavia, Linn.</i>	245	<i>Campnosperma, Thoe.</i>	78
<i>Bolbophyllum, Thouars</i>	298	<i>Campteria</i>	386, 387
<i>Bonnaya, Lk. and Otto</i>	219, 426	<i>Canarium, Linn.</i>	79, 410
BORAGINACEÆ	213	<i>Canavalia, DC.</i>	88
<i>Borassus, Linn.</i>	329	<i>Caena, Linn.</i>	320
<i>Borreria, Mey.</i>	151, 442	<i>Causcoia, Lam.</i>	204, 442
<i>Botrychium, Sw.</i>	378	<i>Causcia, Juss.</i>	251
<i>Boucerosia, W. and A.</i>	200	<i>Cautharospermum</i>	91
<i>Bouchea, Cham.</i>	241	<i>Canthium, Linn.</i>	152
<i>Brachypodium, Beauv.</i>	374	CAPPARIDACEÆ	14
<i>Brachypterum, Benth.</i>	93, 513	<i>Capparis, Linn.</i>	15, 399
<i>Brachyramphus, DC.</i>	168	CAPRIFOLIACEÆ	136
<i>Brachyspatha</i>	335, 443	<i>Carallia, Rorb.</i>	120
<i>Bradleya, Gertn.</i>	285	<i>Caralluma, R. Br.</i>	200
<i>Bragantia, Lour.</i>	291	<i>Cardamine, Linn.</i>	14, 399, 400
<i>Brassica, Linn.</i>	399	<i>Cardiospermum, Linn.</i>	54
<i>Breweria, R. Br.</i>	213	<i>Carex, Linn.</i>	354, 442
<i>Briedelia, Willd.</i>	279	<i>Careya, Rorb.</i>	119, 442
<i>Brugiera, Lam.</i>	120	<i>Carissa, Linn.</i>	191
<i>Bryonia, Linn.</i>	124, 125, 126, 127	<i>Caria, Gaidn.</i>	40
<i>Bryophyllum, Salisb.</i>	129	CARYOPHYLLACEÆ	24
<i>Buchanania, Rorb.</i>	78	<i>Caryota, Linn.</i>	329
<i>Buchnera, Linn.</i>	220	<i>Casaria, Jacq.</i>	19, 275
<i>Bupleurum, Tourn.</i>	131	<i>Cassia, Linn.</i>	95, 414, 441
<i>Burmannia, Linn.</i>	325	<i>Cassytha, Linn.</i>	258
BURMANNIACEÆ	325	<i>Catenaria, Benth.</i>	86
BURSERACEÆ	408, 410	<i>Catha, Forsk.</i>	72, 409
<i>Bursinopetalum, Wight</i>	42	CEDRELACEÆ	61
<i>Butea, Rorb.</i>	89	CELASIRACEÆ	71
<i>Buterea</i>	226	<i>Celastrus, Linn.</i>	68, 72
BYTTNERIACEÆ	29	<i>Celosia, Linn.</i>	247
		<i>Celsia, Linn.</i>	217
CACTACEÆ	129	<i>Celtis, Tourn.</i>	267
<i>Cadaba, Forsk.</i>	15	<i>Centothea, Desv.</i>	374
<i>Cesalpinia, R. Br.</i>	94, 414	<i>Centranthera, R. Br.</i>	220
<i>Cajanus, DC.</i>	90	<i>Centrostachys, Wall.</i>	249
<i>Calamagrostis</i>	370	<i>Centrostylis, Baill.</i>	270
<i>Calamintha, Benth.</i>	234	<i>Cephaloschænus</i>	352
<i>Calamus, Linn.</i>	330, 431	<i>Cephalostigma, A. DC.</i>	422
<i>Calanthe, R. Br.</i>	308	<i>Cerastium, Linn.</i>	24
<i>Callicarpa, Linn.</i>	243	<i>Ceratogynum, Wight</i>	284
<i>Callypteris</i>	385	CERATOPHYLLACEÆ	290
CALLITRICHACEÆ	290	<i>Ceratophyllum, Linn.</i>	290

	Page		Page
<i>Ceratopsis</i> , Lindl.	311	<i>Cælachne</i> , R. Br.	373
<i>Ceratopteris</i> , Brongn.	379	<i>Cælogyne</i> , Lindl.	800
<i>Cerbera</i> , Linn.	192	<i>Coffea</i> , Linn.	164, 421
<i>Ceriops</i> , Arn.	120	<i>Coix</i> , Linn.	357
<i>Ceropegia</i> , Linn.	199	<i>Coldenia</i> , Linn.	215
<i>Chaetocarpus</i> , Thw.	274	<i>Coleus</i> , Lour.	238
<i>Chatocyperus</i> , N. ab Es.	351, 435	<i>Colocasia</i> , Ray.	335, 432
CHAILLETIACEÆ	79	<i>Colubrina</i> , Rich.	75
<i>Chamabainia</i> , Wight	260	COMBRETACEÆ	103
<i>Chamissoa</i> , Kunth	247	<i>Combretum</i> , Löffl.	103, 415
<i>Championia</i> , Gardn.	208	<i>Commelyna</i> , Dill.	321
<i>Chasalia</i> , Comm.	150, 421	COMMELYNACEÆ	321
<i>Chavica</i> , Mug.	292, 428	COMPOSITÆ	160
<i>Cheilanthes</i> , Sw.	387	CONNARACEÆ	80
<i>Cheirostylis</i> , Bl.	313	<i>Connarus</i> , Linn.	80, 410
<i>Chenopodium</i> , Tourn.	246	<i>Conocarpus</i> , Gærtn.	104
<i>Chickrassia</i> , A. Juss.	61	<i>Conocephalus</i>	261
<i>Chilocarpus</i>	191	CONVOLVULACEÆ	209
<i>Chionachne</i> , R. Br.	357	<i>Convolvulus</i>	210
<i>Chionanthus</i> , Linn.	188	<i>Conyza</i> , Less	163
<i>Chirita</i> , Ham.	207	<i>Corchorus</i> , Linn.	31, 401
<i>Chromola</i>	203	<i>Cordia</i> , Plum.	213
CHLORANTHACEÆ	293	<i>Cordylone</i>	338
<i>Chloranthus</i> , Sw.	293	<i>Corymbis</i> , Thouars	314
<i>Chloris</i> , Linn.	371	<i>Corypha</i> , Linn.	329
<i>Chlorophytum</i> , Ker	339	<i>Coscinium</i> , Colebr.	12
<i>Chloroxylon</i> , DC.	61	<i>Cosmostigma</i> , Wight	192
<i>Chondrachne</i>	346	<i>Costus</i> , Linn.	320
<i>Chonemorphia</i> , G. Don	194	<i>Cottonia</i> , Wight	303
<i>Choripetalum</i> , A. DC.	173	<i>Covellia</i> , Gasparr.	266
<i>Chorisandra</i> , Wight	281	CRASSULACEÆ	129
<i>Christisonia</i> , Gardn.	221, 443	<i>Cratæva</i> , Linn.	14
<i>Chrysophyllum</i> , Linn.	174	<i>Crawfordia</i> , Wall.	204
<i>Chrysopogon</i> , Trin.	366	<i>Cressa</i> , Linn.	213
<i>Cicca</i>	281	<i>Crinum</i> , Linn.	324
<i>Cicendia</i>	204	<i>Crossandra</i> , Salisb.	231
<i>Cinnamomum</i> , Burm.	252	<i>Crotalaria</i> , Linn.	81, 410, 441
<i>Cirrhopetalum</i> , Lindl.	299	<i>Croton</i> , Linn.	272, 275, 277, 278
<i>Cissampelos</i> , Linn.	13, 399	<i>Crozophora</i> , A. Juss.	443
<i>Cissus</i> , Linn.	62	CRUCIFERÆ	14, 399
<i>Citrullus</i> , Neck.	126	<i>Cryptocarya</i> , R. Br.	254
<i>Cladium</i> , P. Browne	353	<i>Cryptocoryne</i> , Fisch.	334, 432
<i>Claoxylon</i> , A. Juss.	271	<i>Cryptolepis</i> , R. Br.	195
<i>Clausena</i> , Burm.	47, 406	<i>Cryptophragmum</i>	232
<i>Cleghornia</i> , Wight	194	<i>Cucumis</i> , Linn.	126, 127
<i>Cleidion</i> , Bl.	272	CUCURBITACEÆ	124
<i>Cleisostoma</i> , Bl.	304	<i>Cudrania</i> , Trécul	262
<i>Clematis</i> , Linn.	1	<i>Cudranus</i> , Rumph.	262
<i>Cleome</i> , DC.	14	<i>Cullenia</i> , Wight	28
<i>Clerodendron</i> , Linn.	243	<i>Cupania</i>	56
<i>Cleyera</i> , Thunb.	40, 41, 405	<i>Cureuligo</i> , Gærtn.	324
<i>Clitorea</i> , Linn.	88	<i>Cuscuta</i> , Linn.	316, 430
<i>Cluytia</i>	279, 280	<i>Cuscuta</i> , Tourn.	213
<i>Cnemidia</i> , Lindl.	314	<i>Cyanospermum</i> , W. and A.	92
<i>Coccinea</i> , W. and A.	128	<i>Cyanotis</i> , Don	323
<i>Cocculus</i> , DC.	13	<i>Cyathæa</i> , Sw.	396
<i>Cocos</i> , Linn.	330	<i>Cyathocalyx</i> , Champ.	9

	Page		Page
<i>Cyathula</i> , Lour.	249	<i>Dichilanthe</i> , Thw.	136
CYCADEÆ	294	<i>Dichopsis</i> , Thw.	176, 423
<i>Cycas</i> , Linn.	294	<i>Dichrocephala</i> , DC.	162
<i>Cyclea</i> , Arn.	13	<i>Dichrostachys</i> , DC.	99
<i>Cyclostemon</i> , Bl.	286	<i>Dicksonia</i> , L'Her.	389
<i>Cylindrochilus</i> , Thw.	307, 430	<i>Dichptera</i> , Juss.	234
<i>Cylindropus</i>	354	<i>Dichsodon</i>	398
<i>Cymbidium</i> , Sw.	302, 307	<i>Dieræa</i> , Thouars	222
<i>Cyminosma</i> , Gærtn.	69, 409	<i>Dictyospermum</i>	322
<i>Cyrmodecea</i> , Kon.	333	<i>Didymocarpus</i> , Wall.	207, 426
<i>Cynanchum</i>	195, 196, 198	<i>Dienia</i> , Lindl.	297
<i>Cynoetionum</i> , E. Mey.	195	<i>Digera</i> , Forsk.	249
<i>Cynodon</i> , Pers.	371	<i>Dilivaria</i>	232
<i>Cynoglossum</i> , Tourn.	215	<i>Dillenia</i> , Linn.	5, 398
<i>Cynometra</i> , Linn.	97	DILLENIACEÆ	2
CYPERACEÆ	342	<i>Dimeria</i> , R. Br.	369, 444
<i>Cyperus</i> , Linn.	342, 351, 432	<i>Dumocarpus</i>	58
CYRTANDRACEÆ	206	<i>Dimorphocalyx</i> , Thw.	278
<i>Cyrtopera</i> , Lindl.	302, 429	<i>Dioclea</i> , H. B. K.	412
<i>Cyrtosia</i> , Bl.	311	<i>Dioscorea</i> , Linn.	325, 431
		DIOSCOREACEÆ	325, 442
<i>Dactylis</i>	374	<i>Diospyros</i> , Del.	178, 423
<i>Dactyloctenium</i> , Willd.	371	<i>Diplacrum</i> , R. Br.	354
<i>Dredalacanthus</i> , T. And.	229	<i>Diplazium</i>	385
<i>Dæmia</i> , R. Br.	196	<i>Diplocentrum</i> , Lindl.	306
<i>Dalbergia</i> , Linn.	93, 413, 414	<i>Diploclunum</i>	129
<i>Dalechampia</i> , Plum.	270	<i>Diplosiphon</i>	332
<i>Dalzellia</i> , Wight	223	DIPSACEÆ	160
<i>Damasonium</i>	332	<i>Dipsacus</i> , Tourn.	160, 421
<i>Daphne</i>	250	<i>Dipteracanthus</i>	225
<i>Daphnidium</i> , N. ab Es.	257	DIPTEROCARPEÆ	33
<i>Daphniphyllum</i> , Bl.	290	<i>Dipterocarpus</i> , Gærtn.	33, 402
<i>Dasyaulus</i> , Thw.	175, 423	<i>Dischidia</i> , R. Br.	198
DATISCAEÆ	252	<i>Discospermum</i> , Dalz.	156
<i>Datura</i> , Linn.	217	<i>Discostigma</i> , Hassk.	49, 406
<i>Davallia</i> , Linn.	388, 438	<i>Disperis</i> , Sw.	311
<i>Debregeasia</i>	261	<i>Disporum</i> , Salisb.	338
<i>Decaneurum</i>	161	<i>Diphyrocarpus</i> , Kunth	323
<i>Delima</i> , Linn.	2	<i>Dodonæa</i> , Linn.	59
<i>Dendrobium</i> , Sw.	297, 299, 429	<i>Dolichos</i> , Linn.	90
<i>Dendrocalamus</i> , N. ab Es.	376	<i>Doodia</i> , R. Br.	382
<i>Dendrocolla</i> , Bl.	306, 430	<i>Doona</i> , Thw.	34, 402
<i>Dendrolobium</i> , Benth.	86	<i>Dopatrium</i> , Ham.	218
<i>Dennstaedtia</i>	389	<i>Doronicum</i> , Linn.	167
<i>Dentella</i> , Forst.	144, 420	<i>Dorstenia</i> , Plum.	264
<i>Derris</i> , Lour.	92, 413	<i>Dracæna</i> , Vand.	338
<i>Desmanthus</i> , Benth.	98	<i>Dracontium</i>	336
<i>Desmochæle</i>	249	<i>Drosera</i> , Linn.	21
<i>Desmodium</i> , DC.	85, 86, 411, 441	DROSERACEÆ	21
<i>Desmostemon</i> , Thw.	278	<i>Drymaria</i> , Willd.	25
<i>Detarium</i> , Juss.	414	<i>Drymispermum</i> , Reinw.	251, 427
<i>Diacalpe</i> , Bl.	396	<i>Drymoglossum</i> , Presl	381
<i>Dialium</i> , Linn.	97	<i>Drynaria</i>	395
<i>Dianella</i> , Lam.	338	<i>Dumasia</i> , DC.	88
<i>Dicellostyles</i> , Benth.	401	<i>Dunbaria</i> , W. and A.	90, 412
<i>Dicerma</i> , DC.	86	<i>Dyschoriste</i> , N. ab Es.	225
<i>Dichataria</i> , N. ab Es.	444	<i>Dysodidendron</i> , Gardn.	150

	Page		Page
Dysophylla, Bl.	239	EARTHROXYLÆ	58
Dysoxylon, Bl.	60, 409	Erythroxyton	54
EBENACEÆ	178	Eugenia, Linn.	113, 114, 416, 417
Ebermaiera, N. ab Es.	224	Eulalia, Kunth	368
Eccecranthus, Thw.	57, 408	Eulophia, R. Br.	310
Echinolæna?	359	Euphorbia, Linn.	268, 427
Echinolytrum	350	EUPHORBIACEÆ	268, 442
Eclipta, Linn.	164	Euphoria, Juss.	408
Ehretia, Linn.	214	Euppyrena, W. and A.	153
ELÆAGNACEÆ	252	Eurya, Thunb.	41
Elæagnus, Linn.	252	Euxolus, Rafn.	248, 427
ELÆOCARPEÆ	32	Evia, Comm.	78
Elæocarpus, Linn.	32	Evodia, Forst.	69, 409
Elæodendron, Jacq.	73	Evolvulus, Linn.	213
Elaphoglossum	380	Evonymus, Linn.	73
Elatostema, Forst.	259, 427	Exacum, Linn.	203
Eleiotis, DC.	412	Excæcaria, Linn.	269
Eleocharis, R. Br.	351, 435	Fagraea, Thunb.	200, 425, 442
Eleogiton	350	Falconeria, Royle	270
Eleogynus	351	Feronia, Corr.	48
Elephantopus, Cass.	161	Ficus, Linn.	264, 265, 266
Elettaria, Rherde	318, 430	FILICES	378
Eleusine, Gertn.	371	Pihcium, Thw.	408
Ellipanthus, Hook. f.	410	Fimbristylis, Vahl.	347, 348, 433, 434
Elytraria, Vahl	224	Firmiana, Marsch.	29
Elytrophorus, Beauv.	374	Flacourtia, Comm.	17
Embelia, Burm.	172	FLACOURTIACEÆ	16
Embluca, Gertn.	252	Flagellaria, Linn.	340
Emilia, Cass.	167, 422	Flemingia, Roxb.	92
Empusa, Lindl.	429	Fleurya, Gaud.	258
Endespermum	94	Floscopa, Lour.	323
Endopogon	226	Fluggia, Kunth	339
Enhalus, L. C. Rich.	332	Fluggia, Willd.	281
Entada, Adans.	98	Freycinetia, Gaud.	327
Epaltes, Cass.	164	Fuirena, Linn.	347
Epicarporus, Bl.	264	Gärtnera, Lam.	201, 420, 425
Epiphanes	311	Galactia, P. Browne	88
Epipogon, Gmel.	311	Galera, Bl.	311
Epistylum, Sw.	283, 428	Galium, Linn.	151, 421
Epithema, Bl.	208	Garcinia, Linn.	48, 408
Epithinia, Jack.	157	Gardenia, Ellis	159, 421
Eragrostis, Beauv.	373	Garnotia, Brongn.	363
Eranthemum, Linn.	229, 239	Gastrodia, R. Br.	311
Eria, Lindl.	299, 300, 429	Gaultheria, Kalm.	170
Eriachne, N. ab Es.	44a	Geanthus, Reinw.	319
ERICACEÆ	170	Gelonium, Roxb.	274, 428
Erigeron	163	Gendarussa	233
Eriocaulon, Linn.	341	Geniosporum, Wall.	286
Eriochloa, Humb. and Kunth	358	Gentiana, Tourn.	204
Eriococcus, Hassk.	283	GENTIANACEÆ	203
Eriodendron, DC.	28	Geodorum, Jacks.	308
Erycibe, Roxb.	213	Geophila, Don	150
Erythrina, Linn.	89	Georchis, Lindl.	314
Erythrocarpus	274	GERANIACEÆ	64
Erythrochilus, Reinw.	271	Geranium, Linn.	64
Erythrospermum, Lam.	18		

	Page		Page
Gerardinia, Gaud.	259	Haagea	128
Giaseckia, Linn.	250	Habenaria, Willd.	309, 310
Ginalloa?	418	Hamatospermum, Wall.	272
Gironniera, Gaud.	267	HALORAGÆE	123
Givotia, Griff.	278	Haloragis	123
Gleichenia, Sw.	379	Halostemma, Wall. mss.	345
Gleunia, Hook. f.	408	Hapalosia, Wall.	25
Glinus, Linn.	24	Haplachne	369
Globba, Linn.	315	Haplostylus	352
Glochidion, Forst.	285	Harpullia, Roxb.	56
Gloriosa, Linn.	330	Hebradendron	49
Glycine, Linn.	88	Hedera, Linn.	131, 418
Glycosmis, Corr.	45, 406	Hedyotis, Lam.	140, 419
Glycycaurus, Dalz.	78, 441	Hedychium, Kon.	319
Glyptopetalum, Thw.	73	Hedysarum, Jacq.	411
Gmelina, Linn.	244	Hebeia, Lour.	250
Gnaphalium, Linn.	166, 422	Helichrysium	166
Gnidia	250	Helicteres, Linn.	28
Goldfussia	228	Heligme, Bl.	193
Gomphandra, Wall.	44, 405	Heliohytum, DC.	215
Gomphia, Schreb.	71	Heliotropium, Tourne.	215
Goniopteris	394, 439	Helminthospermum, Thw.	267
Goniotalum, Bl.	6, 398	Helminthostachys, Kauf.	378
Gonyanthes	325	Helosciadium, Koch	130
GOODENOVIÆ	169	Hemarthria, R. Br.	363
Goodyera, R. Br.	313	Hemicyclia, W. and A.	287
Gordonia, Ellis	40	Hemidesmus, R. Br.	195
Gouania, Jacq.	75	Hemigyrosa, Bl.	56, 408
Goughia, Wight	290	Hemionitis, Linn.	382
Govindovia, Wight	314	Heracleum, Linn.	131
GRAMINEÆ	356	Heritiera, Ait.	28
Grammitis, Sw.	382	Hernandia, Plum.	253
Grangea, Adans.	163	Herpestes, Gært. f.	218, 426
Grayia	362	Heteropogon, Pers.	368, 437
Græwia, Juss.	31, 402	Heterostemma, W. and A.	198
Griffithia, W. and A.	158	Heracetrus	223
Grislea, Löffl.	122	Heylandia, DC.	81
Grumilea, Gært.	147, 149	Hibiscus, Linn.	26, 401
Guarea	60	Hippocratea, Linn.	52
Gualteria, Ruiz and Pav.	10, 398	HIPPOCRATEACEÆ	52
Gnazuma, Plum.	29	Hiptage, Gært.	53
Guettarda, Linn.	153	Holarrhena, R. Br.	194
Gulandina, Linn.	94	Holcus	362, 366
GUTTIFERÆ	48	Hologamium	365
Gymnema, R. Br.	197	Holoptelæa	267
Gymnogramme	382	HOMALINEÆ	79
Gymnopetalum, Arn.	127	Homalium, Jacq.	410
Gymnopogon, Beauv.	371, 372, 444	Hopea, Roxb.	36, 408
Gymnopteris	381, 437	Hortonia, Wight	11
Gymnosporia, W. and A.	409	Hoya, R. Br.	198
Gymnostachyum, N. ab Es.	232, 427	Hugonia, Linn.	25
Gynandropsis, DC.	14	HUGONIACEÆ	25
Gynoon, A. Juss.	285	Humata	388
Gynura, Cass.	166, 167	Humboldtia, Vahl.	97
Gyandra, Wall.	290	Hunteria, Roxb.	191
Gyrinops, Gært.	251	Hyalisma, Champ.	294
Gyrocarpus, Jacq.	258	Hydnocarpus, Gært.	18

	Page		Page
Hydrilla, <i>Rich.</i>	331	Kadsura, <i>Juss.</i>	5
Hydrobryum, <i>Endl.</i>	223	Kæmpferia, <i>Linn.</i>	316
Hydrocera, <i>Bl.</i>	68	Kalanchoe, <i>Adans.</i>	129, 417
HYDROCHARIDÆ	331	Kanilia, <i>Bl.</i>	120
Hydrocotyle, <i>Tourn.</i>	130	Karivia	125
Hydroglossum	379	Kayea, <i>Wall.</i>	50, 407
Hydrolea, <i>Linn.</i>	209	Kirganelia, <i>Juss.</i>	282
HYDROLEACEÆ	209	Klugia, <i>Schlecht.</i>	208
Hydrophylax, <i>Linn.</i>	151	Kuoxia, <i>Linn.</i>	151
Hygrophila, <i>R. Br.</i>	225	Kokoona, <i>Thw.</i>	52
Hygroryza, <i>N. ab Es.</i>	356	Kurrimia, <i>Wall.</i>	72, 409
Hymenochæte	351	Kyda, <i>Roxb.</i>	30, 401
Hymenolepis	381	Kyllingia, <i>Linn.</i>	345
Hymenophyllum, <i>Sm.</i>	397		
HYPERICACEÆ	48	LABIATÆ	236
Hypericum, <i>Linn.</i>	48	Lablab, <i>Adans.</i>	90
Hypolytrum, <i>Rich.</i>	346	Lactuca	168
Hypoporum	354	Lagenandra, <i>Dalz.</i>	334, 432
HYPOXIDACEÆ	323	Lagenophora, <i>Cass.</i>	162
Hypoxis, <i>Linn.</i>	323	Lagerstromia, <i>Linn.</i>	122
Hyptianthera, <i>W. and A.</i>	157, 421	Lagunca, <i>Cav.</i>	27
Hyrtanandra, <i>Miq.</i>	261	Langsdorffia	293
		Lantana, <i>Linn.</i>	242
Ichnanthus, <i>Beauv.</i>	361	Laportea, <i>Gaud.</i>	259
Ichnocarpus, <i>R. Br.</i>	194	Lappago, <i>Schreb.</i>	362
Ilex, <i>Linn.</i>	183	Lasia, <i>Lour.</i>	336
Ilysanthes, <i>Rafin.</i>	219	Lasianthera, <i>Beauv.</i>	44, 405
Impatiens, <i>Linn.</i>	65, 409	Lasianthus, <i>Jack.</i>	145, 420
Imperata, <i>Cyr.</i>	369	Lasiosiphon, <i>Fresen.</i>	250
Indigofera, <i>Linn.</i>	83, 411	Lastrea	391
Inga	100	LAURACEÆ	252
Ionidium, <i>Ventn.</i>	20	Lawia, <i>Tulasne</i>	223
Iphigenia, <i>Kunth</i>	339	Lawsonia, <i>Linn.</i>	122
Ipomea, <i>Linn.</i>	211, 426	Ledebouria, <i>Roth.</i>	432
Ipsca, <i>Landl.</i>	301	Ilea, <i>Linn.</i>	64
Irina, <i>Bl.</i>	408	Leersia, <i>Soland.</i>	356
Isachne, <i>R. Br.</i>	361, 373	Legnotideæ	120
Isanthera, <i>N. ab Es.</i>	208	LEGUMINOSÆ	81
Isauris, <i>Arn.</i>	37, 404	Leuopyxis, <i>Miq.</i>	428
Ischænum, <i>Linn.</i>	364, 365, 436, 444	Lemna, <i>Linn.</i>	331
Isolepis, <i>R. Br.</i>	350	LENTIBULARIÆ	171
Isonandra, <i>Wight</i>	176, 423, 442	Leonotis, <i>R. Br.</i>	241
Ixora, <i>Linn.</i>	154, 421	Lepidemia, <i>N. ab Es.</i>	254
		Lepidagathis, <i>Willd.</i>	231
Jambolifera, <i>Linn.</i>	409	Lepidostachys, <i>Wall.</i>	288
Jambosa, <i>Rumph.</i>	115	Lepironia, <i>Rich.</i>	346, 433
JASMINACEÆ	189	Leptacanthus	229
Jasminum, <i>Tourn.</i>	189, 424	Leptadenia, <i>R. Br.</i>	198
Jatropha, <i>Kunth</i>	277	Leptaspis, <i>R. Br.</i>	357
Jonesia, <i>Roxb.</i>	97	Leptochloa, <i>Beauv.</i>	371
Josephia, <i>Wight</i>	307	Leptogramme	382
Julostylis, <i>Thw.</i>	30	Leptostachya	233
JUNCACEÆ	340	Lepurandia	263
Juncus, <i>DC.</i>	340	Lettsonia	210
Jussiaea, <i>Linn.</i>	123	Leucæ, <i>Benth.</i>	240
Justicia, <i>Linn.</i>	233, 235, 427	Leucocodon, <i>Gardn.</i>	138
		Leucostegia	388

	Page		Page
Ligustrum, <i>Tourn.</i>	188	MARSILEACEÆ	378
LILIACEÆ	337	<i>Martynia</i>	207, 228
Limacia, <i>Lour.</i>	12	<i>Marumia</i>	110
Limnanthemum, <i>Gmel.</i>	205	<i>Medinella</i> , <i>Gaud.</i>	106
<i>Limnorcharis</i>	352	<i>Megalachne</i> , <i>Steud.</i>	372, 444
<i>Limnophila</i> , <i>R. Br.</i>	218	<i>Melanthesa</i> , <i>Bl.</i>	285
<i>Limonia</i> , <i>Linn.</i>	45, 405	<i>Melanthium</i>	339
<i>Lindenbergia</i> , <i>Lehm.</i>	218	<i>Melastoma</i> , <i>Linn.</i>	106
<i>Lindsaea</i> , <i>Dryand.</i>	388, 438	MELASTOMACEÆ	104
<i>Linociera</i>	188	<i>Melia</i> , <i>Linn.</i>	59, 408
LINEÆ	25	MELIACEÆ	59
<i>Linum</i> , <i>Linn.</i>	25	<i>Melica</i>	371
<i>Liparis</i> , <i>Rich.</i>	295, 306, 429	<i>Meliosma</i> , <i>Bl.</i>	59, 408
<i>Lipocarpus</i> , <i>R. Br.</i>	347	<i>Melochia</i> , <i>Linn.</i>	30
<i>Lippia</i> , <i>Linn.</i>	241	<i>Melothria</i> , <i>Linn.</i>	124, 417
<i>Litobrochia</i>	387	<i>Memecylon</i> , <i>Linn.</i>	110, 415, 416
<i>Litsaea</i> , <i>Juss.</i>	257	<i>Memorialis</i> , <i>Ham.</i>	261
<i>Lobelia</i> , <i>Linn.</i>	169	<i>Meniscium</i> , <i>Schreb.</i>	382, 438
LOGANIACEÆ	200	MENISPERMACEÆ	12
<i>Lomaria</i> , <i>Willd.</i>	381	<i>Mentha</i> , <i>Linn.</i>	239
<i>Lophatherum</i> , <i>Brongn.</i>	374	<i>Menyanthes</i>	205, 206
LORANTHACEÆ	133	<i>Mesochium</i>	364, 444
<i>Loranthus</i> , <i>Linn.</i>	133, 418	<i>Mephitidia</i> , <i>Reinw.</i>	145, 420
<i>Loxogramme</i>	382	<i>Mesua</i> , <i>Linn.</i>	50, 406, 407
<i>Ludwigia</i> , <i>Roxb.</i>	123	<i>Methonica</i>	339
<i>Luffa</i> , <i>Tourn.</i>	126, 417	<i>Meyenia</i>	224
<i>Luisia</i> , <i>Gaud.</i>	302, 429	<i>Mezoneurum</i> , <i>Desf.</i>	414
<i>Lumnitzera</i> , <i>Willd.</i>	103	<i>Michelia</i> , <i>Linn.</i>	5
<i>Luvunga</i> , <i>Ham.</i>	47, 406	<i>Microcarpaea</i> , <i>R. Br.</i>	220
LYCOPODIACEÆ	377	<i>Micrococca</i> , <i>Benth.</i>	271
<i>Lycopodium</i> , <i>Linn.</i>	377	<i>Microlepia</i>	389, 438
<i>Lygodium</i> , <i>Sw.</i>	378, 437	<i>Micromelum</i> , <i>Bl.</i>	46
<i>Lysimachia</i> , <i>Linn.</i>	172	<i>Microhynchus</i> , <i>Less.</i>	168
LYTHRARIACEÆ	121	<i>Microstachys</i> , <i>A. Juss.</i>	270
<i>Maba</i> , <i>Forst.</i>	183	<i>Microstylis</i> , <i>Nutt.</i>	296, 429
<i>Macaranga</i> , <i>Thouars</i>	274, 428	<i>Microtropis</i> , <i>Wall.</i>	71
<i>Machilus</i> , <i>Rumph.</i>	254	<i>Milium</i>	358
<i>Maclura</i> , <i>Bl.</i>	262	<i>Milusa</i> , <i>Lesch.</i>	10
<i>Macraea</i> , <i>Wight</i>	282	<i>Multingtonia</i> , <i>Roxb.</i>	59
<i>Macreightia</i> , <i>A. DC.</i>	183, 423	<i>Milnea</i> , <i>Roxb.</i>	60
<i>Mæsa</i> , <i>Forsk.</i>	172	<i>Mimusops</i> , <i>Linn.</i>	175
MAGNOLIACEÆ	5	<i>Miquelia</i>	363
<i>Malacochæte</i>	351	<i>Mischodon</i> , <i>Thw.</i>	275, 428
<i>Mallea</i> , <i>A. Juss.</i>	60	<i>Mitrasacme</i> , <i>Labill.</i>	200
MALPIGHIACEÆ	53	<i>Mitrephora</i> , <i>Bl.</i>	8
MALVACEÆ	25	<i>Mnesithea</i> , <i>Kunth.</i>	365
<i>Malvastrum</i> , <i>A. Gray</i>	441	<i>Mnianthus</i> , <i>Walp.</i>	223
<i>Mangifera</i> , <i>Linn.</i>	75	<i>Moacurra</i> , <i>Roxb.</i>	79
<i>Manisuris</i> , <i>Linn.</i>	364	<i>Modecca</i> , <i>Linn.</i>	128
<i>Mappia</i> , <i>Jacq.</i>	43	<i>Mærua</i> , <i>Forsk.</i>	15
<i>Maranta</i> , <i>Plum.</i>	320	<i>Molinaea</i>	56
MARANTACEÆ	320	<i>Mollugo</i> , <i>Linn.</i>	24
<i>Marattia</i> , <i>Sw.</i>	379	<i>Momordica</i> , <i>Linn.</i>	126
<i>Mariscus</i>	344, 345	MONIMIACEÆ	11
<i>Marsdenia</i> , <i>R. Br.</i>	197	<i>Monocera</i> , <i>Jack.</i>	33
<i>Marsilea</i> , <i>Linn.</i>	378	<i>Monochilus</i> , <i>Wall.</i>	313
		<i>Monochoria</i> , <i>Presl</i>	321

	Page		Page
<i>Monogramma</i>	381	<i>Nymphæa</i> , Linn.	14
<i>Monoporandra</i> , Th.	39, 404	NYPHÆACEÆ	14
<i>Monothecium</i> , Hochst.	234		
<i>Moonia</i> , Arn.	164	<i>Oberonia</i> , Lindl.	296
<i>Morinda</i> , Vaill.	144, 420	<i>Ochlandra</i> , Thw.	376
<i>Morisia</i>	352	<i>Ochna</i> , Linn.	70, 409
<i>Morocarpus</i> , Sieb. and Zucc.	261	OCHNACEÆ	70
<i>Moschosma</i> , Reich.	237	<i>Ochrosia</i> , Juss.	192
<i>Mucuna</i> , Adans.	89	<i>Ocimum</i> , Linn.	236
<i>Mukia</i> , Arn.	125	<i>Octarrhena</i> , Thw.	305
<i>Muldera</i> , Miq.	428	<i>Odina</i> , Roxb.	78
<i>Munronia</i> , Wight	59	ECEOCLADES, Lindl.	306
<i>Murraya</i> , Kön.	45, 406	OLACACEÆ	41
<i>Musa</i> , Schreb.	321	<i>Olax</i> , Linn.	42
MUSACEÆ	321	<i>Olea</i> , Tourn.	188
<i>Mussaenda</i> , Linn.	138	OLEACEÆ	188
<i>Myriactis</i> , Less.	162	<i>Oleandra</i> , Cav.	393
<i>Myriogyne</i> , Less.	165	ONAGRACEÆ	123
<i>Myriophyllum</i> , Willd.	123	<i>Oncosperma</i> , Bl.	328
<i>Myristica</i> , Linn.	11, 399	<i>Opheha</i> , Don	205, 426
MYRISTICACEÆ	11	<i>Ophioglossum</i> , Linn.	378
MYRSINACEÆ	172	<i>Ophiopogon</i> , Ker.	339
<i>Myrsine</i> , Linn.	173	<i>Ophiorrhiza</i> , Linn.	189, 419
MYRTACEÆ	114	<i>Ophioxylon</i> , Linn.	191, 424
<i>Myrtus</i> , Tourn.	114	<i>Opilia</i> , Roxb.	41
		<i>Opismenus</i>	359
<i>Nageia</i> , Roxb.	287	ORCHIDACEÆ	295
NAIADACEÆ	333	<i>Orchis</i>	310
<i>Naraveli</i> , DC.	1	<i>Oreocnide</i> , Muq.	261
<i>Nasturtium</i> , R. Br.	399	<i>Ormocarpum</i> , Beauv.	85
<i>Nauclea</i> , Linn.	137	<i>Ornithopteris</i>	386
<i>Necamandra</i> , Planch.	332	OROBANCHACEÆ	221, 427
<i>Nelitris</i> , Gærtn.	153	<i>Oropetium</i> , Trin.	363
<i>Nelsonia</i> , R. Br.	224	<i>Orophea</i> , Bl.	8
NELUMBIACEÆ	14	<i>Orthosiphon</i> , Benth.	237
<i>Nelumbium</i> , Juss.	14	<i>Oryza</i> , Linn.	357
<i>Nematostigma</i> , Planch.	267	<i>Osbeckia</i> , Linn.	104
NEPENTHACEÆ	290	<i>Osmelia</i> , Thw.	20
<i>Nepenthes</i>	290	<i>Osmunda</i> , Linn.	379
<i>Nephelium</i> , Linn.	57, 468, 408	<i>Osyris</i> , Linn.	251
<i>Nephrodium</i>	390-393	<i>Otonychium</i> , Bl.	56
<i>Nephrolepis</i> , Schott	393	<i>Ottelea</i> , L. C. Rich.	332
<i>Neptunia</i> , Lour.	99	OXALIDACEÆ	64
<i>Nesaea</i> , Comm.	417	<i>Oxalis</i> , Linn.	64, 409
<i>Neurocalyx</i> , Hook.	138	<i>Oxystelma</i> , R. Br.	196
<i>Niebuhria</i>	15		
<i>Nipa</i> , Rumph.	327	<i>Pachycentria</i> , Bl.	107
<i>Nipholobolus</i>	395	<i>Pachygone</i> , Miers	13
<i>Nomismia</i> , W. and A.	91	<i>Palenga</i> , Thw.	287
<i>Norysea</i>	48	<i>Palimbria</i> , Bess.	131
<i>Notelaea</i>	188	PALMACEÆ	327
<i>Nothopegia</i> , Bl.	441	<i>Pancratium</i> , Linn.	324
<i>Nothoservia</i> , Wight	248	PANDANEÆ	327
<i>Notonia</i> , DC.	168	<i>Pandanophyllum</i> , Hassk.	345, 438
<i>Notothiros</i> ?	418	<i>Pandanus</i> , Linn.	327
NYCTAGINACEÆ	245	PANGIACEÆ	18
<i>Nyctanthes</i> , Juss.	190	<i>Panicum</i> , Linn. 358, 361, 362, 436, 448	

	Page		Page
PAPILIONACEÆ	18	Pityranthe, Thw.	29
Paramignya, Wight	47, 406	Pladera, Roxb.	204, 425
Paratropha	132	PLANTAGINACEÆ	245
Paritium, A. Juss.	26	Plantago, Linn.	245
Parochætus, Ham.	82	Platanthera, Rich.	310
PARONYCHIACEÆ	25	Platea, Bl.	44, 405
Parsonia	193	Plecosperrum, Trécul	263
Paspalum, Linn.	357	Plectranthus, L'Her.	237
PASSIFLORACEÆ	128	Pleocnemis	390
Patania	389	Pleopeltis	394
Pavetta, Linn.	155	Pleurostylia, W. and A.	71
Pavonia, Cav.	26, 401	PLUMBAGINACEÆ	244
Pedaliium, D. Roy	209	Plumbago, Tourn.	244
Pedicularis, Linn.	221	Poa, Linn.	372, 373
Pegia?	441	Podadenia, Thw.	273, 428
Pellœa	386	Podanthera, Wight	311
Pellionia, Gaud.	259	Podochilus, Bl.	306
Peltandra, Wight	281	PODOSTEMACEÆ	222
Pemphis, Forst.	122	Podostemon, Mich.	222
Pentaloba	21	Pœcilopterus	380
Pentatropis, R. Br.	196	Pogonatherum, Beauv.	365
Peperomia, Ruiz and Pav.	292	Pogonia, Juss.	430
Peplidium, Del.	426	Pogonotrophe, Miq.	266
Pericopsis, Thw.	413	Pogostemon, Desf.	239
Periostrophe, N. ab Es.	234	Polanisia, Rafn.	14
Peristylus, Bl.	310	Polia, Thunb.	323
Perotis, Ait.	369	Pollinia, Trin.	368
Pestalozzia, Moritz	124	Polyalthia, Bl.	9, 398
Peucedanum	131	Polybotrya	380
Phaius, Lour.	300	Polycarpæa, Lam.	25
Phalangium?	339	Polygala, Linn.	227, 400
Pharbitis, Choisy	210	POLYGALACEÆ	22
Phaseolus, Linn.	89, 412	POLYGONACEÆ	245
Phoberos, Lour.	16, 400	Polygonum, Linn.	245
Phoenix, Linn.	329	Polyodontia?	102
Pholidota, Lindl.	300	Polypodium, Linn.	393, 439, 444
Photinia, Lindl.	100	Polypogon, Desf.	370, 444
Phragmites, Trin.	370	Polystachya, Hook.	307, 308
Phreatia, Landl.	299	Polystichum	389
Phyllanthus, Linn.	282, 284, 285	Pometia, Forst.	408
Phyllodium, Desv.	86	Pongamia, Linn.	92
Phymatodes	395	Pontedera	321
Physalis, Linn.	217	PONTEDERACEÆ	321
Physurus, L. C. Rich.	314	Portulaca, Tourn.	23, 401
PHYTOLACCACEÆ	250	PORTULACACEÆ	23
Pilea, Lindl.	259	Posidonia, Kôn.	333
Piliostigma, Hochst.	98	Potamochloa	356
Pimpinella, Linn.	131	Potamogeton, Linn.	333
Piper, Linn.	292	Potentilla, Linn.	101
PIPERACEÆ	292	Poterium, Linn.	103
Piptostylus	406	Pothomorphe, Miq.	292
Pisonia, Plum.	245	Pothos, Linn.	336
Pistia, Linn.	331	Pouzolzia, Gaud.	260, 261
PISTIACEÆ	331	Premna, Linn.	242
Pithecolobium, Mart.	100	PRIMULACEÆ	172
PISTIOSPOREÆ	68	Prismatomeris, Thw.	154, 421
Pittosporum, Sol.	68	Pristidia, Thw.	149, 420, 425

	Page		Page
<i>Procris</i> , Comm.	260	<i>Rostellularia</i> , Reichen.	234, 235
<i>Prosepta</i>	389	<i>Rotala</i> , Linn.	122
<i>Proserus</i> , Dalz.	281	<i>Rothia</i> , Pers.	82
PROTEACEÆ	250	<i>Rottböllia</i> , Linn.	361, 363, 364
<i>Protium</i> , Burm.	78, 410	<i>Rottlera</i> , Roxb.	272, 274
<i>Pseudanthus</i> , Wight	248	<i>Roumea</i> , Poit.	18, 400
<i>Pseudarthria</i> , W. and A.	87	<i>Rourea</i> , Aubl.	80
<i>Psilotrichum</i> , Bl.	248	<i>Roxburghia</i> , Dryand.	432
<i>Psilotum</i> , Sw.	378	<i>Rubia</i> , Thurn.	151, 421
<i>Psoralea</i> , Linn.	84	RUBIACEÆ	137
<i>Psychotria</i> , Linn.	147, 148	<i>Rubus</i> , Linn.	101
<i>Pteridophyllum</i> , Thw.	58, 408	<i>Ruellia</i> , Linn.	225, 227
<i>Pteris</i> , Linn.	381, 386, 438	<i>Rungia</i> , N. ab Es.	234
<i>Pterocarpus</i> , Linn.	92	<i>Ruppia</i> , Linn.	333
<i>Pteroloma</i> , Desv.	86	SABIACEÆ	408
<i>Pterospermum</i> , Schreb.	30	<i>Saccharum</i> , Linn.	368, 369
<i>Pterostigma</i> , Benth	218, 426	<i>Saxolabium</i> , Bl.	303, 429
<i>Pterygostachyum</i> , N. ab Es.	444	<i>Sageraea</i> , Dalz.	6
<i>Pterygota</i> , Endl.	29	<i>Sageretia</i> , Brongn.	410
<i>Ptilotus</i> , R. Br.	248	<i>Salacia</i> , Linn.	53, 407
<i>Ptychosperma</i> , Labill.	326	<i>Salicornia</i> , Linn.	443
<i>Ptyssiglottis</i> , T. And.	235	<i>Salmalia</i> , Sch. and Endl.	28
<i>Pupalia</i> , Juss.	249	<i>Salomonina</i> , Lour.	22
<i>Putranjiva</i> , Wall.	287	SALSOLACEÆ	246
<i>Pycnospora</i> , R. Br.	92	<i>Salvadora</i> , Linn.	190
<i>Pygeum</i> , Gertn.	102	SALVADORACEÆ	190
<i>Pyreacantha</i> , Hook.	290	<i>Samadera</i> , Gertn.	70
<i>Pyrospermum</i> , Miq.	409	<i>Samara</i> , Linn.	173
<i>Pyrolaria</i> , Mich.	25	SAMYDACEÆ	19
<i>Randia</i> , Hout.	159	<i>Sanicula</i> , Tourn.	130
RANUNCULACEÆ	1	<i>Sansevieria</i> , Thunb.	338
<i>Ranunculus</i> , Linn.	1	SANTALACEÆ	251
<i>Reichenheimia</i>	126	SAPINDACEÆ	54
<i>Reidia</i> , Wight	283	<i>Sapiindus</i> , Linn.	55, 408
<i>Remirea</i> , Aubl.	345	<i>Sapium</i> , Jacq.	259
<i>Remusatia</i>	336	<i>Sapota</i> , Plum.	175
RESTIACEÆ	341	SAPOTACEÆ	174
<i>Rhabdin</i> , Mart.	214	<i>Sarcandra</i>	293
RHAMNACEÆ	73	<i>Sarcanthus</i>	308
<i>Rhamnus</i> , Linn.	74, 282, 410	<i>Sarcochinium</i> , Wight	279
<i>Rhomphidia</i> , Lindl.	313	<i>Sarcococca</i> , Lindl.	290
<i>Rhaphidophora</i>	336	<i>Sarcostemma</i> , R. Br.	196
<i>Rhaphidospora</i>	231	<i>Sarosanthera</i> , Korth.	41, 405
<i>Rhosa</i> , Walp.	72	<i>Satyrium</i> , Sw.	308
<i>Rhinacanthus</i> , N. ab Es.	234	<i>Sauropus</i> , Bl.	284
<i>Rhipsalis</i> , Gertn.	129	<i>Savia</i> , Willd.	280
<i>Rhizophora</i> , Linn.	120	SAXIFRAGACEÆ	180
RHIZOPHORACEÆ	120	<i>Scaevola</i> , Linn.	169
<i>Rhododendron</i> , Linn.	170	<i>Scopa</i> , Lindl.	288
<i>Rhus</i>	59	<i>Schizachyrium</i>	368
<i>Rhynchosia</i> , Lour.	91, 412, 441	<i>Schizaea</i> , Sm.	379
<i>Rhynchospora</i> , Vahl	352, 435	SCHIZANDRACEÆ	5
<i>Rhytidiosa</i>	235	<i>Schizoloma</i>	368
<i>Rissoa</i>	46	<i>Schizostigma</i> , Arn.	139
<i>Rivera</i> , Choisy	209	<i>Schleichera</i> , Willd.	58
ROSACEÆ	100	<i>Schmidelia</i> , Linn.	55, 408

	Page		Page
<i>Schumacheria</i> , Vahl	4	<i>Spiranthes</i> , L. C. Rich	312
<i>Sciaphila</i> , Bl.	294	<i>Spitzgerbera</i>	260
<i>Scindapsus</i> , Schott	336	<i>Spodiopogon</i> , Trin.	365
<i>Scirpus</i> , Linn. 347, 350, 351, 352, 434		<i>Sponia</i> , Comm.	267, 448
<i>Scleria</i> , Linn.	353, 435	<i>Sporobolus</i> , R. Br.	370
<i>Sclerostylis</i> , Bl.	46, 405	<i>Stachytarpha</i> , Vahl	241
<i>Scolopia</i>	400	<i>STAPHYLEACEÆ</i>	71
<i>SCROPHULARIACEÆ</i>	217	<i>Stegnogramme</i>	383
<i>Scutellaria</i> , Linn.	239	<i>Stellaria</i> , Linn.	24
<i>Scutia</i> , Comm.	75	<i>Stemonoporus</i> , Thw.	37, 408
<i>Scutinanthe</i> , Thell.	78, 410	<i>Stemonurus</i> , Bl.	48, 405
<i>Scyphellandra</i> , Thw.	21	<i>Stenochlæna</i>	380
<i>Scyphostachya</i> , Thw.	157	<i>Stenosiphonium</i> , N. ab Es.	225, 228
<i>Secamoye</i> , R. Br.	195	<i>Stenotaphrum</i> , Trin.	361
<i>Selaginella</i> , Spring.	377	<i>Stephania</i> , Lour.	13
<i>Semecarpus</i> , Linn.	75, 410	<i>Sterculia</i> , Linn.	29
<i>Senecio</i>	68	<i>STERCULIACEÆ</i>	28
<i>Senecio</i> , Less.	167, 422	<i>Stereospermum</i> , Cham.	206
<i>Serissa</i> , Comm.	150	<i>Stratiotes</i>	332
<i>Serpicula</i> , Linn.	123, 331	<i>Stradadium</i> , Juss.	119
<i>SESAMEÆ</i>	209	<i>Streblus</i> , Lour.	264
<i>Sesamum</i> , Linn.	209, 442	<i>Streptogyne</i> , Beauv.	374
<i>Sesbania</i> , Pers.	84, 441	<i>Streptostigma</i> , Thw.	56
<i>SESUVIACEÆ</i>	23	<i>Striga</i> , Linn.	220
<i>Sesuvium</i> , Linn.	23	<i>Strobilanthes</i> , Bl.	226
<i>Setaria</i>	361	<i>Strombosia</i> , Bl.	42
<i>Sethia</i> , Kunth	53	<i>Strongylocalyx</i> , Bl.	116
<i>Shorea</i> , Roxb	36, 402	<i>Strongilodon</i> , Vogel	89
<i>Shutea</i> , Choisy	212	<i>Strychnos</i> , Linn.	201, 425
<i>Shuteia</i> , W. and A.	88	<i>STYLIDIEÆ</i>	168
<i>Sida</i> , Linn.	27	<i>Stylidium</i> , Sw.	168, 422
<i>Siegesbeckia</i> , Linn.	164	<i>Stylocoryne</i> , Cav.	158, 421
<i>SIMARUBÆÆ</i>	70	<i>Stylosanthes</i> , Sw.	84
<i>Sium</i>	130	<i>Suaeda</i> , Forsk.	246
<i>Slegotia</i> , Reich.	204	<i>Susum</i> , Bl.	340
<i>Smilax</i> , Tourn.	338	<i>Sykesia</i>	202
<i>Smithia</i> , Ait.	85	<i>Symphorema</i> , Roxb.	242
<i>Soja</i> , Mænk	88	<i>Symphylia</i> , Bail.	270
<i>SOLANACEÆ</i>	216	<i>SYMPIOCEÆ</i>	184
<i>Solandra</i>	200	<i>Symplocos</i> , Jacq.	184
<i>Solanum</i> , Tourn.	216	<i>Syzygium</i> , Gært.	116, 417
<i>Solidago</i>	162		
<i>Sonchus</i> , Linn.	168	<i>Tabernæmontana</i> , Plum.	191, 193
<i>Sonerila</i> , Roxb	107	<i>Tacca</i> , Forst.	325
<i>Sonneratia</i> , Linn.	123	<i>Tæniopsis</i>	381
<i>Sophora</i> , Linn.	94, 414	<i>Tæniophyllum</i> , Bl.	305
<i>Sopubia</i> , Ham.	220	<i>Tamarindus</i> , Linn.	95
<i>Spathostemon</i> , Bl.	272	<i>TAMARISCINÆÆ</i>	23
<i>Spathodea</i> , Beauv.	206	<i>Tamarix</i> , Linn.	401
<i>Spermacoe</i> , Linn.	151	<i>Taxotrophis</i> , Bl.	264, 427
<i>Sphaeranthus</i> , Vahl.	162	<i>Tephrosia</i> , Pers.	84, 411
<i>Sphaerocarya</i>	251	<i>TEREBINTHACEÆ</i>	75
<i>Sphenoclea</i> , Gært.	170	<i>Terminalia</i> , Linn.	103
<i>SPHENOCLEACEÆ</i>	170	<i>Ternstroemia</i> , Linn. f.	405
<i>Sphragidia</i> , Thw.	286	<i>TERNSTROMIACEÆ</i>	40
<i>Spilanthes</i> , Jacq.	165	<i>Terpnophyllum</i> , Th.	49, 406
<i>Spinifex</i> , Linn.	362	<i>Tetracera</i> , Linn.	2

	Page		Page
<i>Tetraerypta</i> , Gardn. and Champ.	119	<i>Uralespis</i> , Nutt.	372
<i>Tetramelus</i> , R. Br.	252	<i>Urandra</i> , Thw.	43
<i>Tetranthera</i> , N. ab Es.	254	<i>Uraria</i> , Desv.	85, 411
<i>Teucrium</i> , Linn.	241	<i>Urena</i> , Linn.	25
<i>Thalassia</i> , Soland.	333	<i>Urochloa</i>	358
<i>Thalictrum</i> , Linn.	1	<i>Uropetalum</i> , Gaol.	443
<i>Thamnopteris</i>	363	<i>Urophyllum</i> , Jack.	58
<i>Thespesia</i> , Corr.	27	<i>Urostigma</i> , Gasparr.	264
<i>Thismia</i> , Griff.	325	<i>Urtica</i>	259, 261, 262
<i>Thouarea</i> , Pers.	362	URTICACEÆ	258
<i>Thunbergia</i> , Linn. f.	223	<i>Utricularia</i> , Linn.	171, 423
THYMELACEÆ	250	<i>Uvaria</i> , Linn.	6
<i>Tharidium</i>	215		
TILIACEÆ	31	VACCINIÆ	170
<i>Tiliacora</i> , Colebr.	12	<i>Vaccinium</i> , Linn.	170
<i>Timonius</i> , Rumph.	153, 421	<i>Vaccinaria</i> , Fée	381
<i>Tinospora</i> , Miers	12	<i>Vahia</i> , Thunb.	130, 418
<i>Toddalia</i> , Juss.	69	<i>Valeriana</i> , Neck.	159, 421
<i>Torenia</i> , Linn.	219	VALERIANACEÆ	159
<i>Tournefortia</i> , Linn.	214	<i>Vallisneria</i> , Burm.	192
<i>Toxocarpus</i> , W. and A.	195	<i>Vallisneria</i>	331, 332
<i>Trachys</i> , Pers.	362	<i>Vanda</i> , R. Br.	303, 305, 429
<i>Tragia</i> , Plum.	270, 271	<i>Vandellia</i> , Linn.	219
<i>Trapa</i> , Linn.	124	<i>Vanilla</i> , Plum.	311
<i>Trewia</i> , Linn.	272	<i>Vateria</i> , Linn.	36, 403
<i>Trianthema</i> , Saup.	23	<i>Vatica</i> , Linn.	404
<i>Tribrachys</i> , Champ.	325	<i>Ventilago</i> , Gaertn.	74
<i>Tribulus</i> , Tourn.	68	VERBENACEÆ	241
<i>Trichadenia</i> , Thw.	19	<i>Vernonia</i> , Schreb.	160, 421
<i>Trichaurus</i> , Arn.	23, 400	<i>Viburnum</i> , Linn.	136
<i>Trichelostylis</i>	318	<i>Vicoa</i> , Cass.	164
<i>Trichodesma</i> , R. Br.	216	<i>Vigna</i> , Sav.	90
<i>Trichomaues</i> , Linn.	397	<i>Villebrunea</i> , Gand.	261
<i>Trichopodium</i> , Lindl.	291, 443	<i>Viola</i> , Linn.	20
<i>Trichopus</i> , Gaertn.	291	VIOLACEÆ	20
<i>Trichosanthes</i> , Linn.	126	<i>Visaria</i>	188
<i>Tridens</i>	372	<i>Viscum</i> , Toura.	136, 418
<i>Trigonostemon</i> , Bl.	277, 426	<i>Vitex</i> , Linn.	244
<i>Trimeriza</i>	291	<i>Vitis</i> , Linn.	62, 63
<i>Tripogon</i> , Roth	374	<i>Vittaria</i> , Sm.	381, 438
<i>Tripterispermum</i> , Bl.	204	<i>Volkameria</i>	243
<i>Tristylis</i>	223		
<i>Tritileum</i> , Linn.	376	<i>Wahlenbergia</i> , Schk.	169
<i>Triumfetta</i> , Plum.	31, 401, 444	<i>Walkera</i>	71
TRIURIDACEÆ	294	<i>Walsura</i> , Roxb.	61
<i>Tropia</i> , Willd.	262, 264	<i>Waltheria</i> , Linn.	30
<i>Tropidia</i> , Lindl.	314	<i>Webbia</i>	158
<i>Turpinia</i> , Vent.	71	<i>Weedha</i> , Jacq.	165
<i>Tylophora</i> , R. Br.	196, 424	<i>Wendlandia</i> , Bartl.	159
<i>Typha</i> , Linn.	331	<i>Wikstromia</i> , Endl.	280
TYPHACEÆ	331	<i>Willughbeia</i> , Roxb.	191
<i>Typhonium</i> , Schott	334	<i>Winchia</i>	191
		<i>Wisadula</i> , Med.	27
<i>Ulmus</i> , Linn.	267	<i>Withania</i> , Duval	217
UMBELLIFERÆ	139	<i>Wollastonia</i> , DC.	165
<i>Uncaria</i> , Schreb.	188, 418	<i>Woronia</i> , Rottb.	46
<i>Unona</i> , Linn.	9, 398	<i>Wrightia</i> , R. Br.	198, 424

REF. L. CE

	Page		Page
<i>Xanthium, Tourn.</i>	164	<i>Zanonis, Linn.</i>	124, 442
<i>Xanthochymus, Roxb.</i>	46	<i>Zehneria, Endl.</i>	125
<i>Xanthophyllum, Roxb.</i>	23, 400	<i>Zeuxine, Lindl.</i>	312
<i>XANTHOXYLACEÆ</i>	69	<i>Zingiber, Gærtn.</i>	315, 480
<i>Xanthoxylon, Linn.</i>	69, 409	<i>ZINGIBERACEÆ</i>	315
<i>Ximenesia, Car.</i>	422	<i>Zizyphus, Tourn.</i>	73
<i>Xylocarpus, Kón.</i>	61	<i>Zornia, Gmel.</i>	84
<i>Xylopi, Linn.</i>	9, 398	<i>Zosterostylis, Bl.</i>	312
<i>XYRIDACEÆ</i>	340	<i>Zoysia, Willd.</i>	370
<i>Xyris, Linn.</i>	340	<i>ZYGOPHYLLÆÆ</i>	68
<i>Yonugia, Cats.</i>	168	<i>Zygospermum, Thw.</i>	281

REFERENCE

THE END